DENON

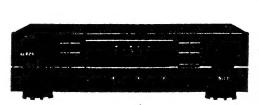
Hi-Fi AM-FM Stereo Reciever

SERVICE MANUAL

For EUROPEAN And U.K Models

MODEL DRA-565RD MODEL DRA-365RD

AM-FM STEREO RECIEVER









DRA-565RD

DRA-365RD

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NIPPON COLUMBIA CO., LTD.



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICE-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Ronformitétserklörung

DENON Electronic GmbH Helskestraße 32 40880 Ratingen

Ertlärt als Morsteller/Importeur, deß das in dieser Bedienungsanieitung beschriebene Gerät den Tachnischen Vorschriften für Ton- und Fernsen-fluordkuntempfänger nach der Amsblettverfügung 808/1909 (Amsblett des Bundasminisiers für Poet und Telekommunikation vom 31, 8. 1999) entsochte.

PRECAUTIONS FOR INSTALLATION

install DRA-565/365RD always horizontally. And leave at least 10 cm of space between this unit and other component placed above.

VORKEHRUNGEN FÜR DIE AUF STELLUNG

Der DRA-565/365RD iss stets wasgerecht autzustellen. Außerdem muß ein Mindestabsland von 10 cm zwischen diesem Gerät und der Komponente gewährleistet werden, die darüber gestellt wird.

PRECAUTIONS D'INSTALLATION

Le DRA-565/365RD doit toujours être installé horizontalement. Et laisser au moins un espace de 10 cm entre cet appareil et l'autre composant placé au-dessus.

PRECAUZIONI PER L'INSTALLAZIONE

DRA-565/365RD viene sempre installato in modo orizzontale. Lasciate uno spazio di almeno 10 cm tra quest'unità e un eventuale componente acrysogosto.

PRECAUCIONES PARA LA INSTALACION

Instale siempre al DRA-565/365RD en posición horizontal. Asegúrese tembién de dejar un espacio de por lo menos 10 cm entre esta unidad y el componente que sea colocado encima.

VOORZORGSMAATREGELEN VOOR INSTALLATIE

De DRA-565/365RD attijd horizontsel plaatsen. En minetens 10 cm ruimte laten tussen dit toestel en het andere komponent dat u erboven plaatst.

FÖRBEREDELSER FÖR INSTALLATION

Installera alttid DRA-565/365RD horisontellt. Lämne ätminstone 10 cm mellan denna apparat och en annan komponent som pisceras ovanpå.

PRECAUÇÕES PARA A INSTALAÇÃO

Instale sempre horizontalmente o DRA-565/365RD. E deixe pelo menos 10 cm de espaço entre esta unidade e o outro componente colocado scima.









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10 cm o più 10 cm o più 10 cm of meer

10 cm eller mer 10 cm ou mais



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- energia. Segure a tomada ao desconectar e llo.



- duct.
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 Protéger Fapparell contre S'humidité, l'auu
- et la poussière. Tenete l'unità lontone dell'umidità, dell'ac-
- ous e delle potvere.

 Mantenga el equipo libri agua y potvo.

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- Desconacte el cordon de energía suenda no utilito el equipo por mineto biempo. Nesem etito de equipo por mineto biempo. Nesem etito de la consideración del la con





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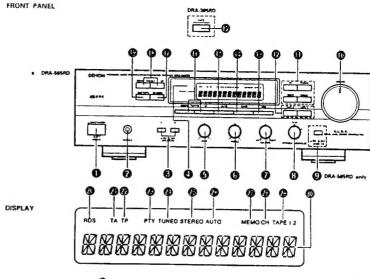


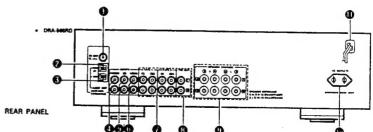
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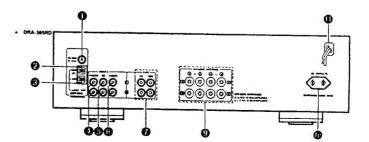


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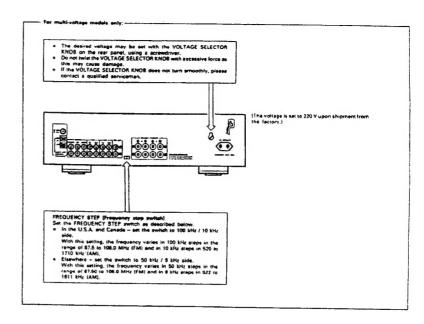






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Please	check the following items are included with the main unit	Por fe	vor varifique que los siguientes artículos son empacados en
(11			a pero seperados de la unidad principal.
		. (1)	
(2)	AM Loop Antenna	(2)	Antena AM de cuedro
(3)	FM Antenna1	(3)	Antena de FM
(4)	Remote Control RC-174	(4)	Unidad de control remoto RC-174
(5)	Batteries R6 (AA)	(5)	Pilas secas R6 (AA)
Birte é	iberprüfen Sie, ob die folgenden Telle vollständig in der	Kontro	pleer of de volgende accessoires bij het hoefdtoestel in de
Verpe	ckung enthalten sind:	doos	tiin verpakt:
[1]	Bedienungsanleitung	(1)	Gebruiksaanwijzing
(2)	AM-Rahmenantenne	(2)	AM-reamentence
(3)	UKW-Antenne	(3)	Fit entence
(4)	Fernbedienungsgerät RC-174	(4)	FM-antenne
(5)	Trockenzelle-Batterie R6 (AA)	(5)	Part A A A A A A A A A A A A A A A A A A A
		fai	R6 (AA) droge cel batterij
Veuille	iz contrôler que les articles suivants sont bien joints à	Kontre	ollera att följande tillbehör har packats ner i kartongen
1'apper	rell principel dans le carton:	tilisan	mans med huvudenheten.
(1)	Mode d'emploi	(1)	Bruksanviening
(2)	Antenne-cadre AM 1	121	Ramantenn för AM-brut
(3)	Antenne FM 1	(3)	St. antenna
(4)	Telécommande RC-174	(4)	FM-amenn
(5)	Plies de formal R5 (AA)		Fjørrkontroll RC-174
		(5)	R6 (AA) torrbetteri
Contre	illers che le parti seguenti si trovino imbaltate con	Certifi	que-se de que as seguintes peças estão incluides na
	recchio nella scatola di spedizione,	embel	agem fora de unidade principal:
(1)	istruzioni per l'uso	(1)	instruções de operação
(2)	Antenna AM a telaio 1	(2)	Antena de quadro AM
(3)	Antenna FM 1	(3)	Antena FM
(4)	Telecomando RC-174	(4)	Controlo remoto RC-174
(5)	Batieria a secco R6 (AA)	(5)	Pilhas R5 (AA)
		149	



O POWER (Power ON-STANDBY/OFF Switch)

This switch turns the unit ON or OFF. There is a delay of approximately 3 seconds before the unit will operate after this power switch is turned ON, if the unit is turned OF from the remote control, the unit will be in the STANDBY mode. When in the STANDBY mode, the unit can be turned ON with the power button on the remote control, if the unit will not be used for extended period, be sure to turn the unit OFF from the front penel power switch. NOTE: This unit includes a STANDBY protection feature.

This feature is designed to prevent accidental turn-on from the STANDBY mode in the event of a power failure. Should AC power be disconnected and then reconnected when the unit is in STANDBY mode, the unit will return to the STANDBY mode.

To turn the unit ON from the STANDBY mode without the remote control, operate the front panel power switch four times. The unit will then operate normally.

PHONES (Headphones jack)

Connect a pair of headphones (sold separately) to this jack or private listening.

SPEAKERS (Speaker selector switches)

These switches are used to select speaker system A and B. No sound is heard through the speakers when both writches are reset to the (...) position

REMOTE SENSOR (Remote control sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit. For remote control, point the wireless remote control unit lowards the sensor.

BASS (Bass control)

Use this control to adjust the low-range response. When the control is set to the center position, the frequency characteristic curve (below 1,000 Hz) is flat. Turn the control clockwise to increase the bass response and counter clockwise to decrease it

TREBLE (Treble control)

Use this control to adjust the high-range response. When the control is set to the center position, the frequency characteristic curve (above 1,000 Hz) is flat. Turn the control clockwise to increase the treble response and counterclockwise to decrease it.

@ BALANCE (Balance control)

Use this control to balance the volume levels between left and right channels. The volume levels in both channels are equal when the control is set to the center position.

O VARIABLE LOUDNESS (Loudness control)

At low volumes, the human ser is less sensitive to low (BASS) and high (TREBLE) frequencies. Use this control to compensate for this deficiency when listening at low volume levels. Turn this control counter-clockwise until a natural balance of bass and trable sound has been

BASS EQ (DRA-SESRD only)

Press this button to switch the BASS EQ ON (-) for emphasis of bass sounds.

Use in conjunction with the bass adjustment of the tone control will provide further emphasis of bass sounds. Set this switch to OFF (...) when you wish to listen with a normal setting condition.

VOLUME (Volume control)

This knob is used to adjust the volume level of both

Turn the knob clockwise to raise the volume and counterclockwise to lower it.

Input selector (Input selector buttons)

These buttons are used to select the audio input source. . PHONO: Press to play a record on a record player connected to the PHONO input lacks.

· CD Press to listen to a compact disc player or another component connected to the CD input

. TUNER: Press to listen to FM or AM programs

 VIDEO: Use when playing back the audio from a HI-Fi video, video disc player or other component connected to the VIDEO terminal.

 Tape selector (Tape selector/monitor buttons) (DRA-565RD)

> TAPE-1: Press this button once, TAPE-1 indicator will light up and then you can play tape source on TAPF-1

In this state you can copy TAPE-1 source to TAPE-2

TAPE-2: Press this button once. TAPE-2 indicator will light up and then you can play tape or video source of TAPE-2 terminal.

Press again the button currently accessed, to play sources selected by input selector . Indicator goes out.
TAPE (Tape monitor button) (DRA-365RD)

Press this button once. TAPE indicator will light up and then you can play tape source on the TAPE terminal Press again the button currently accessed, to play sources selected by input selector , indicator goes out.

RDS button

This button is used for the RDS search (refer to page 12) and PTY search (refer to page 12), and TP search (refer to page 12) operations, and to input the station name (refer to pege 12, 131,

BAND (Band selector switch)

Press this switch to select the FM or AM (MW) band.

AUTO (Tuning mode button)

This witches between auto and manual tuning. Auto tuning: When the UP button is pressed, the radio is tuned automatically to a higher frequency. Press the DOWN button to tune to a lower frequency. Use this position see imministencies when no signals or week signals position to eliminate noise when no signals or week signals. are being received. /

Manual tuning: In this position, the radio can be tuned manually. Reception is automatically monaural when in the menual mode

TUNING (Tuning buttons)

Use these to change the received frequency to a higher frequency (UPI or a lower frequency (DOWN). When writing station names, use these buttons to select the letters. (Refer to Page 13.)

MEMORY (Memory button) This switch is used to store the desired radio station to a

· Presetting stations

After presenting the MEMORY button, press the SHIFT/ PTY button to select the memory block, A to E. Now use the PRESET UP and DOWN buttons to specify the preset channel number. Fress the MEMORY button again to store the station at the specified preset channel.

Preset (Preset station buttons)

These buttons are used for storing stations or recalling stations which have been preset. Using the SHIFT button you can preset a total of 40 FM or AM stations into preset

Once a radio has been memorized, the same station can later be tuned in instantly simply by recalling the corresponding preset channel with PRESET UP or DOWN button.

DISPLAY

RDS Indicator

This lights when receiving RDS broadcasts, and flashes during the RDS sharch operations.

Ø TA indicator

This lights when receiving traffic announcements.

TP indicator

This flashes during the TP search operation and lights when TP stations are tuned in.

PTY Indicator This fisshes during the PTY (Programme type) search operation

Ø TUNED Indicator

This lights when a station is properly tuned in.

STEREO Indicator This lights when receiving stereo broadcasts. It remains off when receiving AM broadcasts

AUTO Indicator

This indicates the tuning mode. It lights in the auto mode, and remains off in the manual mode.

NOTE:

1P (Traffic Programme)
Stations scheduled to broadcast traffic programmes
1A (Traffic Announcement)
Traffic information broadcasts

REAR PANEL

FM ANT (FM antenna terminals)

75-ohm coaxial cable can be connected to this terminal. For antenna connecting procedure, see the ANTENNA IN-STALL ATION

GND (Grounding terminal)

The grounding wire of the turntable is connected here. Hum or noise may be generated if the grounding wire is not connected.

AM ANT (AM antenna terminals)

Connect the attached AM loop antenna. (Refer to page 10 for connections).

Connect to this terminal when a medium wave autdoor entenne is used.

PHONO (Phono Input terminals)
The output cord of the turntable is connected here.

Since the input sensitivity of "PHONO" is extremely high, do not use the unit without the input pin cord. If used without this cord, the speakers may generate hum.

A

The output cord of the CD player is connected here.

0 VIDEO

A VIDEO, such as a VCR or Video Disc may be connected

• TAPE-1, TAPE-2 (Tape deck playback/recording terminal) (DRA-565RD)

Two tape decks or tape deck can be connected to these jacks for full-fledged playback, recording and tape

dubbing operation.

TAPE (DRA-365RD)

Tape decks can be connected for full use including playing or copying.

- SHIFT/PTY button

Use this button to select the memory blocks. All to 81 & (1 to 8), C (1 to 8), D (1 to 8) or E (1 to 8) For PTY search, use this button to select the program

When writing station names, use this button to set the writing position

Ø MEMO indicator

This indicator lights for approximately 10 seconds when the MEMORY button has been pressed and a station can be stored on a PRESET CHANNEL button.

This flashes continuously during the auto memory opera-

0 CH indicator

This lights when the preset channel number and shift mode (A, B, C, D or E) are displayed.

. TAPE-1/TAPE-2 indicator (DRA-565RD) The TAPE-1 indicator lights when the TAPE-1 source is

selected with the tape selector buttons. The TAPE-2 ndicator lights when the TAPE-2 source is selected. TAPE indicator (DRA-365RD)

The TAPE indicator lights when the TAPE source is selected with the tape selector buttons.

Multi function display This displays the frequency, station name, programme

@ PRE-OUT (DRA-565RD only)

Output signals for power amplifiers are sent from these

The rated output is 2 volts.

SPEAKER SYSTEMS (Speaker terminals) Two pairs of speakers A and B can be connected to these

terminals. AC OUTLET (AC power outlets)

This AC outlet is controlled by the power switch and Remote controllunit (DRA-565RD), controlled by the power switch (DRA-365RD)

AC CORD (Power cord)

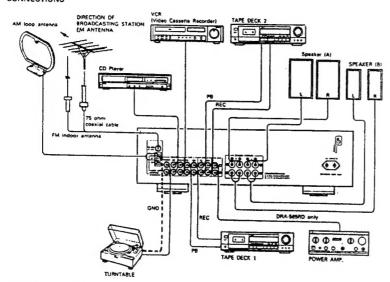
Connect this cord into the wall putter

CD

- This receiver has a full back-up system. When the power is turned on, the INPUT SELECTOR buttons are set to the test mode set before the power was turned off.
 When using this receiver in close powerity to video equipment (Tv, VCR, VCP, etc.), nose may be generated in AM broadcasts. To

avoid this, keep the receiver as far away from other video components as possible, or place the AM loop antenns where noise is reduced. If the noise is not reduced, turn off the power of the video components when listening to AM broadcasts.

CONNECTIONS



ANTENNA INSTALLATION

. FM ANTENNA

FM ANTENNA
The supplied indoor FM entenns can be used inside wooden houses for receiving local FM stations and other strong FM signels. Stretch out the ends of the antenna and mount the antenna on the wall or calling where optimum reception is enhieved. A indoor FM entennas may not consistently ensure stable reception, due to environment changes. In such cases, the indoor FM entenna should only be used temporarily until an outdoor FM entenna has been installed.

When connecting an outdoor FM antenna, the use of 75 ohm coaxial cable (3C-2V, 5C-2V) is strongly recommended.

Attach the supplied AM loop antenne even when using an autdoor

Am attemps.

Connect the leads to the AM and GND terminals.

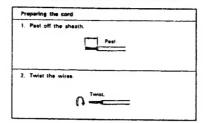
Also use the AM terminals for connecting an outdoor AM antenna twhen making such a connection do not disconnect the AM foop statement. antenna.l

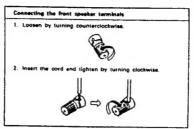
antenns.;
Adjust the loop antenns to obtain optimum reception. Where broedcast stations are distant and only weak signals are received, or where signals are blocked, it is best to install an outdoor AM



SPEAKER CONNECTION

Confirm polarity (+, -) and left and right channels (L. R). Connect the speaker pairs to the SPEAKER terminals A or 8 on the back panel. Connections must be made with power cord disconnected.





- Notes on Connection

 Do not plug the power cord into the AC well outlet until an connections have been completed.

 Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels to Bight channels to Right channels to the left channels to Right channels to the left channels are missionally represented to the Right channels are recommended.
- ion.

 Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus be avoided.

- Notes:

 Do not connect two FM antennes simultaneously.

 Even if an external AM antenna is used, do not disconnect
- the AM loop antenna.

 Make sure AM loop antenna lead terminals do not touch metal parts of the panel.

CAUTION

Protective Circuit

This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit.

This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

VARIED

POP MUSIC

ROCK MUSIC

Note: Station names must be stored in a preset memory to be retained. If the power is turned off, or if the bend (AM/FM) is changed, the station name will be lost. Be sure up store the entered station name in a Preset Memory before changing the band or turning the power switch OFF.

Using the Various Functions

1. Presetting stations in the memory

The frequency and the name of the radio station (including names which you have input yourself), are also stored in the

In particular, the various RDS functions can be used effectively when RDS stations are stored in the memory.

How to preset the memory

Press the MEMORY button . The "MEMO" indicator on the display & lights, Next, use SHIFT/PTY button & to select the memory block A, B, C, D or E. Now press the PRESET UP or DOWN button
to specify the preset channel number, and then press the MEMORY button to store the station in the

The preset channel numbers for the different memory blocks ara as follows.

Memory block A : 1 to 8 Memory block B : 1 to 8 Memory block C Memory block D : 1 to 8 Memory black E : 1 to 8

 Auto Memory (FM only)
 The DRA-565RD/DRA-365RD is equipped with an auto memory function

Connect the antenna, set it so that stations can be received, then hold in the MEMORY button and press the POWER button In turn the power on. Stations for which the auto stop function operates are stored in the preset memory in the order A1 to A8, 81 to 88, and so on, through E8.

Channel A1 is tuned in after the auto memory operation is completed.

Using this function makes it possible to find out the overall reception conditions of the receivable stations. The memory can be used effectively by recalling the channels in the preset memory and replacing stations whose reception is poor with stations whose reception is good, using the procedure described in 1 above

or E, then press the PRESET UP or DOWN button @ to recall

the order A1 to A8, B1 to B8, and so on, through E8.

 RDS search (for FM only)
 Use this function to automatically tune to stations offering Radio Data Service

This operation is also possible by pressing the TUNER button. on the remote control unit once when the function is set to the TUNER mode.

"RDS SEARCH" fleshes on the

display, (Preset memory shannels A1 to Ell are being searched.)
If no RDS station is found with the above operation, all the reception bends are searched.
The station name is displayed.

RDS search starts again.

3. Press the PRESET UP or DOWN button again white the RDS mark is flashing.

III no other RDS station is found when all the frequencies are searched.

5. PTV search (for FM only)

Use this function to find stations broadcasting a designated type of programme type (PTY).

This operation is also possible by pressing the TUNER button

Inia operation is also possible by pressing the LUTER button on the remote control unit twice when the function is set to the TURER mode. Next, press the PANEL button on the remote control unit, select the PTY, then press the PRESET UP or DOWN buttons to start the PTY search function in the specified

Operation Display

1. Press the RDS button twice. PTY SEARCH Programme type or PTY

2. Press the SHIFT/PTY button. Designated programme type [Always do this to designate the programme type if "PTY" is displayed in step 1.1 3. Press the PRESET UP or DOWN button . "PTY SEARCH" flashes on the TTY SEARCH "Reshes on the display liftness memory channels A3 to E8 are being searched.]
If there is no station broadcesting the designated programme type with the above operation, all the reception bands are searched. searched. The station name is displayed Press the PRESET UP or DOWN button again while the PTY mark is fleehing. PTY search starts again,

The programme types which can be displayed are listed on

8. TP Search (for FM only)

This function is used to find stations scheduled to broadcast traffic programmes (TP stations).
This operation is also possible by pressing the TUNER button

on the remote control unit three times when the function is set TP SEARCH

Operation

1. Press the RDS button
3 times.
2. Press the PRESET UP or DOWN button
6,

"TP SEARCH" Nashes on "TP SEARCH" Bashes on the display.
Preser memory channels A! to E8 are being searched.] If no TP ession is found with the above operation, all the reception bands are searched. serched.
The states name is displayed after searching stops.

 Press the PRESET UP or DOWN button again while the TP mark is fleshing. If no other TP stellon is found whe "NO PROGRAMME" is displayed.] TP search starts again.

on all the frequencies are searched.

Writing station names
You can write in station names yourself.
(Up to 8 characters)
(Refer to the table of characters on page 123)

Operation

1. Press the RDS button

First letter Seames.

1. Press the RDS button
4 simes.
2. Use the TUHING and
DOWN buttons @ to
DOWN buttons @ to
DOWN buttons @ to
Fire RCess.
2. Use the Self-/PTY button
@ to move to the
next place.
4. After verting the antire
station neme, store it
(Refer to page 8)
(Refer to page 8)

RDS Emergency Alarm
"ALARM" will flesh on the display when the unit receives the Emergency
Programme Type Code (PT/31) from an RDS steton.
This feature may not operate properly if the signal from the RDS station is
too words or is subjected to investerance.
It is not possible to select the "ALARM" display from the PTY search mode.

* The following programme types can be designated:

NENS	NEWS	M. O. R. MUSIE M.O.R. MUSIC
AFFRIR5	AFFAIRS	L-CLHSSICS LIGHT CLASSICS
INFORMATION	INFORMATION	S-CLRSSICS SERIOUS CLASSICS
SPORT	SPORT	OTHER MUSIC OTHER MUSIC
EDUCATION	EDUCATION	
IRAMA	DRAMA	
CULTURE	CULTURE	
SCIENCE	SCIENCE	

Table of characters The characters are input in the order shown to the right. Use the TUNING buttons @ to select the desired characters.

→RBCDEFGHIJKLMNOPORSTUVWXYZ — -0 123456 789C \ 3-8 '() #+. ". / = SPACE-

VARIED

POP MUSIC

ROCK MUSIC

7

RA

-565R

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UI IJ Ō

PLAYBACK USING THE REMOTE CONTROL

The accessory RC-174 remote control unit is used to control the RECEIVER from a distance.

Inserting the dry cell batteries

œ

Remove the rear cover on the remote control unit.



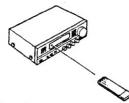
2 Insert two size "AA" (R6) dry cell batteries as shown in the diagram on the battery supply unit.



3 Replace the rear cover.



(2) Directions for use



Notes on Use of the Batteries

- The remote control unit uses size "AA" [RS] dry cell batteries.
 The batteries will need to be replaced approximately once a year. This will depend upon how often the remote control is
- . If, in less than a year from the time new batteries were inserted, the remote control fails to operate the receiver from a near-by position, it is time to replace the betteries.
- insert the batterles properly, following the disgram on the remote control bettery supply unit, and making sure to align the plus and minus sides of each battery.
- Betteries are prone to damage and leakage. Therefore:
- Do not combine new batteries with used ones.
 Do not combine different types of batteries.
- Do not jumper the apposite poles of the batteries, expose them to heat or break them open, or put them into open
- When the remote control is not to be used for a long period of time, remove the batteries from the unit.
- . If the batteries have leaked, remove any battery fluid from the inside of the battery supply unit by wiping it out thoroughly, and insert new batteries

- . Operate the remote control unit while pointing it towards the remote control sensor on the receiver as shown in the diagram
- The remote control unit can be used at distances up to about 8 meters in a straight line from the receiver. This distance will decrease if there are obstructions blocking the infra-red fight transmission or if the remote control unit is not directed straight at the receiver.

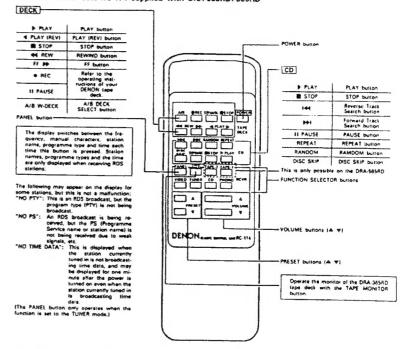
- . Do not press the operating buttons on the receiver and the remote control unit at the same time. This will cause misoperation. On no press the operating buttons on the receiver and the tempore control until still sense time. This will cause imagnetation.
 Operation of the aemost control unit will become less effective or errait if the liftraged remote control sensor on the receiver is exposed to strong light or if there are obstructions between the remote control unit and the sensor.
- In case you operate your YCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause mis-operation.

Besides being able to operate the DRA-565RD/365RD receiver with this remote control unit, you can also operate a DENON cassette deck and CD player from this handy full-system remote control unit.

Remote Control Section

Remote Control Section
Full-system Remote Control Unit
The full-system remote control unit operates all major functions of the receiver such as function switching, volume control, and preset
sation safetion. But their son call! The same control pad can also control the major functions of a DENON CD player and cassetie deck to
create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-174 supplied with DRA-585RD/365RD



- The RC-174 Remote Control Unit can control CD players and cassette decks made by DENON.
- Note that operation may not be possible for some models.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER, CD and

For details on operating other components, refer to the instruction manuals for the CD player and/or cassette deck.

CAUTION:

- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state. If you are to be absent for a
- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state, if you are to be absent for a long partiol of time, by a sure to turn the power off using the POWER switch on the receiver.
 A part of 1st digit of fluorescent display light while the receiver is in the power stand-by state.
 You may experience errosic operation of the remote control unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the remote control ensure or the specific particular of this light strikes the remote control ensure on the receiver. However, this is not a malfunction, and if this should happen, protect the

2. Have you followed all operational instructions correctly?

3. Check speaker and the turntable systems for proper operation.

When your unit does not seem to be operating correctly, first check the items in the following table. If the symptom does not correspond to any of the problems as shown below, turn off the power sources immediately and contact your DENON dealer.

Problem	Cause	Remedy
FM AND AM RECEPTION		
Radio program can not be received.	Antenna connection is wrong. A signal strength is weak,	Check the connection, Check the antenna installation.
Noise is reproduced.	A signal strength is weak. Automobile ignition noise interferes with reception. Other electrical aculpmens interferes with reception.	Install an outdoor antenna. Keep the antenna away from the street. Keep the equipment away from this sat, or turn aff the power of the other equipment.
The preset frequencies are erased.	The memory back-up term (about 1 month) passed.	Preset again.
In automatic tuning, the frequency doesn't stop at the radio station.	A signal strength is weak.	Use manual luning
In automatic tuning, it stops at the one step lower or higher frequency than the radio station.	 Noise or strong signal strength is received. 	Use manual tuning for optimum re- ception.
PLAYBACK OF THE AUDIO EQUIPMENTS		
No sound is produced with power on.	Input and speaker cords connection are wrong. Speaker switch is off. The INPUT SELECTOR buttons are in wrong position. The protective circuit is operating. The fuse has blown out.	Turn on speaker switch. Turn on speaker switch. Turn the power off once, check the connections to the speakers, then turn the power on again. Alt your desier, or the nearest DENON representative.
Audible hum when playing records.	The input and grounding cords connection of the turntside are wrong. The cords connection of the cartridge are wrong. The interference from the nearby TV or radio transmission entenna.	Check the connection. Check the connection. Ask your dealer, or the nearest DENON respresentative.
Howling is produced when the volume control is turned up too high while playing records.	The vibrations and aounds transmit from the speakers to the turntable.	 Insulate the vibrations, or keep the speakers away from the turntable.
Cracking noise is produced when playing records.	The record is stained with the dust. The stylus tip of the cartridge is.	Clean the record. Clean the stylus tip.

SPECIFICATIONS

IMPLIFIER SECTION			TUNER SECTION				
Continuous Power Output:	DRA-585RD; 80	W + 80 W (4 ohms, 1 kHz)	[FM] Inote: uV at 75 ohms, 0	18(- 1 - 10 15 W)			
(DIN)	DRA-305RD; 82	W + 62 W (4 ohms, 1 kHz)	Receiving Range:	87.5 ~ 108 MHz			
Power Bandwidth (IHF):	10 Hz ~ 40 kHz (T.H.D. 0.15% both	Usable Sensitivity:	0.9 uV (10.3 def)			
	channels driven	into 6 ohms)	Signal to Noise Ratio	0.4 8 4 (10.3 001)			
Total Harmonic Distortion:	0.03% (-3 dB at	rated output, 8 ohms)	(#HF-A):	MONO 82 dB			
Frequency Response:	PHONO RIAA SI	andard Curve (Record-		STEREO 78 dB			
	ing Output)		Image Rejection:	85 d8			
	MM	20 Hz ~ 20 kHz ±0.5 dB	Selectivity (±300 kHz):	55 dB			
	CD, VIDEO,	20 Hz ~ 60 kHz ± 1.5 dB	Frequency Response:	30 Mz - 15 1Mz +0 2 dB			
		(at 1W)		.1500			
	TAPE-1, TAPE-2	(DRA-965RD)	Stores Separation				
	TAPE (DRA-365)	9D)	(at 1 kHz):	40 dB			
			IAMI				
input Sonsitivity and			Receiving Range:	522 - 1611 kHz			
Impedance:	PHONG MM	2.5 mV 47 k ohme					
	CD, VIDEO,	150 mV 25 k ohms					
	TAPE-1, TAPE-2	(DRA-565RD)	Usable Sensitivity:	18 µ V			
	TAPE IDRA-366		Signal to Noise Retto:	55 #6			
Maximum Input Level							
(at 1 kHe):	PHONG MM	120 mV	General				
Signal to Noise Ratio			Power Supply:	AC 230V 50 Hz			
(HIF-A):	PHONO MM	76 dB (at 5.0 mV Input)					
	CO, VIDEO.	96 cff.					
	TAPE-1, TAPE-2	(DSA-Sesen)	Power Consumption:	145 W (DRA-565RD)			
	TAPE (DRA-306F			129 W (DRA-365RD)			
Tone Controls:	BASS	\$ 10 dff at 100 Hz					
	TREBLE	4 10 d9 at 10 kHz					
Loudness, Control Effect:	VARIABLE LOUG	WESS at meximum position	Fower Outlets:	SWITCHED 100 W			
	50 He/10 MHz. +1	Odlas de	Dimensions:	434 mm (W) × 130 mm (H)			
PRE-OUT terminals				× 312 mm (D) (DRA-565RD)			
Rated output:	2 V (at 100 kohm	(nad)		434 mm (W) x 120 mm (H)			
(DRA-S66RD enty)				x 312 mm (DI (DRA-365RD)			
			Waight:	7.2 kg (DRA-565RD)			
				6.0 kg (DRA-365RD)			
			REMOTE CONTROL UNIT	RC-174			
			Remote central system:	infrared pulse system			
			Permer supply:	JV DC Two sure "AA" (R6)			
				dry cell betteries			
			External dimensions:	60 mm W x 175 mm H			
				4 18 mm D			
			Weight:	120 g (Includes batteries)			

Design and specifications are subject to change without prior notice.

9

DRA-565RD/365RD

DISASSEMBLY

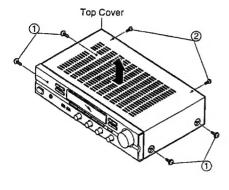
(To reassemble reverse disassembly)

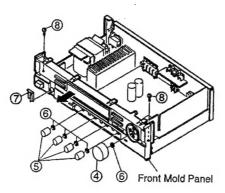
Top Cover

Remove 4 screws (1) and 2 screws (2) .

Front Mold Panel

- (1) Pull out Volume knob (4) and 4 round knobs (5) . (2) Remove 5 nuts (6) and Speed Nut (7) .
- (3) Remove 2 screws (8) .



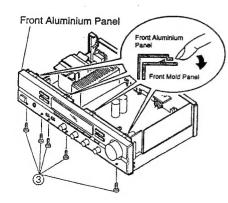


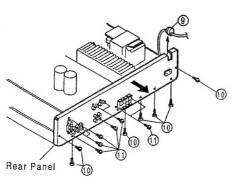
Front Aluminium Panel

Remove 4 screws (365RD) 5 screws (565RD) 3 and undo hooks at 4 places.

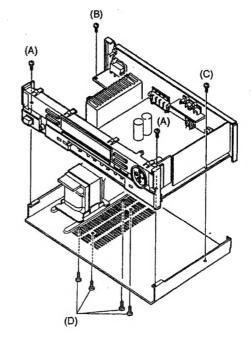
Rear Panel

- (1) Disconnect cord bush (9) .
- (2) Remove 7 screws (10), and 8 screws (365RD) 9 screws (565RD) (11).
- *Screws 11 is tighten.

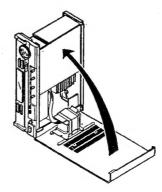




Despite the transformer and PWB are connected with the wire, an arrangement clamper is relatively easy to remove at a time of servise.

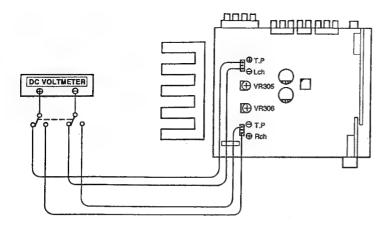


- Disassemble Front Aluminum Panel (refer to previous Item 2).
- (2) Remove 4 screws (D) securing the Radiator to the Bottom Cover.
- (3) Unfasten 2 screws on the surface and 5 screws on the bottom of Rear Panel (refer to previous Item 4).
- (4) Remove 2 screws (A) securing the Inner Panel.
- (5) Untighten a screw (C) and detach Main PWB, remove a screw (B) and detach Power Supply PWB.
- (6) Remove arrangement clamper for the wire of Trans-
- (7) Hold and lift the Back Panel and inner Panel



Checking is feasible by positioning the PWB upright.

METHOD OF ADJUSTMENTS



IDLING CURRENT

(1) Set controls as follows.

POWER Switch → off (■)

VOLUME Control → 0 (min.)

SPEAKERS → off (■)

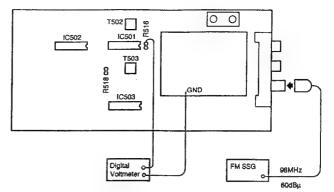
Temperature → 15°C - 30°C (59°F - 86°F)

VR305 and VR306 of the 1U-2718-1 (Main Unit) → MtN. (♠)

- (2) Connect DC Voltmeter to the T.P.Lch and T.P.Rch of the 1U-2718.
- (3) Turn the Power Switch on and rotate VR305 clockwise so that the DC Voltmeter reads 2.5 mV ±0.2 mV DC at the T.P Lch. Follow the same procedure to VR306 for T.P Rch.
- (4) Warm up for three minutes, then readjust VR305 and VR306 so that the DC Voltmeter reads $2.5\,\text{mV}\,\pm0.5\,\text{mV}$ DC.
- (5) Warm up for 10 minutes, then readjust VR 305 and VR306 so that the DC Voltmeter reads 2.5 mV ±0.5 mV DC.

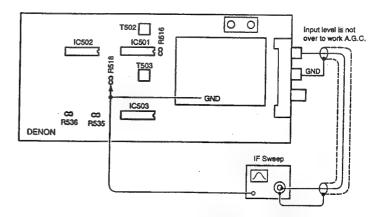
CONNECTINON DIAGRAM OF MEASURING INSTRUMENTS

FM SECTION



Adjust T502, Potential difference across R516 should be within 50mV.

AM SECTION

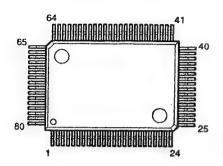


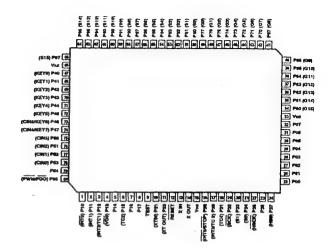
Adjust T503 for maximum height and best symmetry curve.

SEMICONDUCTORS

• IC's

TMP87CM71F (IC601)



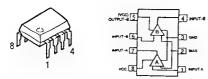


TMP87CM71F Port Allocation Table

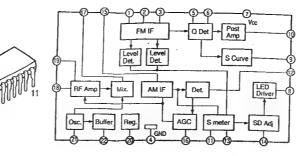
Pin No.	Symbol	ю	Logic	Initial Setting	Function					
1	STOP	1	L		Power down detection ("L" = at power down).					
2	MUTE (A)	1	_	'	MUTE (A) output ("H" = MUTE)					
3	RDS	1	Serial	_	RDS data (start) input.					
4	RES	0	L	н	LC7074 reset output.					
5	GND	1	Serial	_	Not used.					
6	FCK	0	Serial	L	Function control output (LC7821) for F-CK.					
7	FDA	0	Serial	L	Function control output (LC7821) for F-DATA.					
8	FIITB	0	H	L	Function control output (LC7821) for F-STB.					
9	GND	Li	_		Connect to GND.					
10	SO	1	L	_	Tuned signal input ("L" = at tuned in).					
11	GND	1	_		Not used.					
12	RESET	1	L		Reset input.					
13	XIN		_		Oscillation circuit (4MHz).					
14	XOUT	1	_	_	Oscillation circuit (4MHz).					
15	Vss	PW	_	-	GND					
16	GND	1		-	GND					
17	REM	1	L		Remote control signal input.					
18	ST	- 1	L	-	Stereo signal input ("L" = at stereo).					
19	RCK	1	Serial	-	RDS data (clock) input.					
20	RDA	1	Serial		ROS data (data) input.					
21	GND	1		_	Not used.					
22	PCK	0	Serial	L	LM7001 control output for PLL-CK (CL).					
23	PDA	0	Serial	L	LM7001 control output for PLL-DATA (DATA).					
24	PSTB	0	Н	L	LM7001 control output for PLL-STB (CE).					
25	GNO	0	_	L	GND					
26	GND	0		L	GND					
27	AM	0	L	L	AUTOMANUAL control.					
28	GND	ı	-	_	Not used.					
29	POF	0	н	L	Power control output ("H" = ON).					
30	VR-UP	0	Н	L	Power volume control output (LB1639 ON = at "H").					
31	VR-0	0	н	L	Power volume control output (LB1639 ON = at "H").					
32	SP-A	0	Н	L	Speaker relay control output (ON = at "H").					
33	Voc	PW	-		+5V					
34	GND	1	-	_	GND					
35	GND				GND					
36	1G	0	~	-	FL lube control output for 1G.					
37	2G	0		_	FL tube control output for 2G.					
38	3G	0	_		FL tube control output for 3G.					
39	4G	0	_		FL tube control output for 4G.					

7	Pin No.	Symbol	vo	Logic	Initial Setting	Function
	40	5G	0	_		FL tube control output for 5G.
_}	41	6G	0			FL Tube control output for 6G.
	42	7G	0	_	_	FL Tube control output for 7G.
]	43	8G	0	_	_	Ft. Tube control output for 8G.
	44	9G	0		_	FL Tube control output for 9G.
	45	10G	0	_	_	FL Tube control output for 10G.
J	46	11G	0			FL Tube control output for 11G.
	47	12G	0	-	-	FL Tube control output for 12G.
	48	13G	0			FL Tube control output for 13G.
1	49	14G	0			FL Tube control output for 14G.
1	50	SO (a)	0	-		FL Tube control output for P(a).
1	51	S1 (b)	0			Ft. Tube control output for P(b).
J	52	S2 (c)	0			FL Tube control output for P(c).
Ĺ	53	S3 (d)	0	_		FL Tube control output for P(d).
J	54	S4 (e)	0		_	FL Tube control output for P(e).
	55	S5 (f)	0			FL Tube control output for P(f).
Į.	56	S6 (g)	0	_		Fl. Tube control output for P(g).
Ji	57	S7 (h)	0	-	_	FL Tube control output for P(h).
П	58	S8 ()	0			FL Tube control output for P(I).
Н	59	S9 (k)	0	-		FL Tube control output for P(k).
П	60	S10 (m)	0			FL. Tube control output for P(m).
Ш	61	S11 (n)	0			FL Tube control output for p(n).
П	62	\$12 (p)	0			FL Tube control output for P(p).
11	63	S13 (q)	0			FL Tube control output for P(q).
П	64	S14 (r)	0			FL. Tube control output for P(r).
П	65	S15 (s)	0			FL Tube control output for P(s).
П	66	Vkk	PW			-15V
П	67			- 1	- 1	
П	- 1	GND	١ ١	-		GND
П	70					
П	71	VA	0	L	н	Video In/Out control ("L" = at selection) BV4066.
П	72	VB	0	L	_ н	Video In/Out control ("L" = at selection) BV4066.
П	73	K1	1			Key input (A/D conversion input).
П	74	K2	1			Key input (A/D conversion input).
П	75	КЗ	_!_			Key Input (A/I) conversion input).
Н	76	K4	-		_=_	Key input (A/D conversion input).
П	77	VER	-			Forwarding country setting.
Н	78	VER	4			Specification setting.
H	79	MUTE (T)	0	н	Н	MUTE output ("H" = MUTE).
L	80	GND	_!	- 1		GND





LA1265 (S) (IC501)



LCOMS

LCOM2

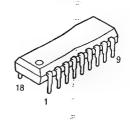
LS

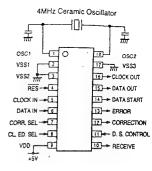
LE LCOM3

VDD 4

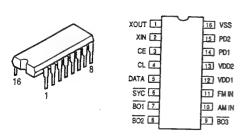
VSS VEE

LC7074 (IC602)

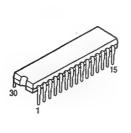




LM7001 (IC503)

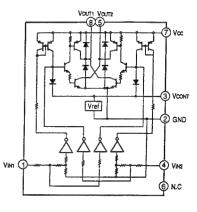


LC7821 (IC102)

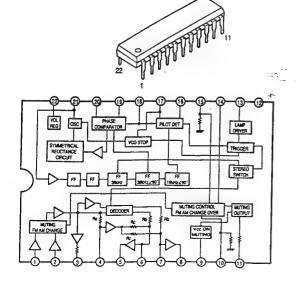


LB1639 (IC201)

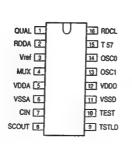




LA3401 (IC502)



SAA6579T (IC601)



Pin No.	Symbol	Description
1	QUAL	Quality indication output.
2	ADDA	RDS data output.
3	Vest	Reference voltage output (0.5 Voos).
4	MUX	Multiplex signal input.
5	VDDA	+5 V supply voltage for analog part.
6	Vssa	Ground for analog part (0 V).
7	CIN	Subcarrier input to comparator.
8	SCOUT	Subcarrier output of reconstruction filter.
9	TSTLD	Test control.
10	TEST	Test enable.
11	V _{SSD}	Ground for digital part (0 V).
12	VDDD	+5 V supply voltage for digital part.
13	OSCI	Oscillator input.
14	osco	Oscillator output.
15	157	57 kHz clock signal output.
16	RDCL.	RDS clock output.

Level shifter

9 RS

• RCOM2

• RCOM3

BA15218 (IC301)





3: NR-Input-1 4: Vcc 5: NR-Input-2 6: R-Input-2 7: Output-2

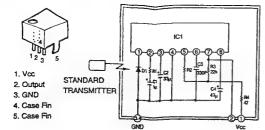
8: Vcc

1: Output-1

2: R-Input-1

NJM78M12FA (IC504) NJM7806FA (IC401)

SBX1610-52 (REMOTE SENSOR)

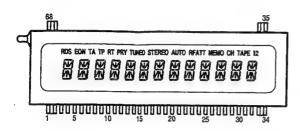


: CX20106A Chip : PIN Photo Diode Chip D1 C1, C2, C4 : Aluminum Electrolytic

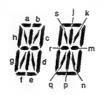
Capacitor : SL Characteristic ±5% R1 : Gain Adjuster R2 : fo Adjust ±1% USE

R3, R4 :±5%

FLD (FIP14AM7R)



14G RDS EON TA TH RT PTY TUNED STEREO AUTO RFATT MEMO CH TAPE 12 6G 5G 4G 13G 12G 11G 10G 9G 8G 7G



TERMINAL CONNECTION

(UPPER)

(
TERMINAL NO.	68	67 66	65	64	63	62	61	60	59	58	57	56	55	54	53	52			
ELECTRODE	F1	F1 NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP			
TERMINAL NO.		- :	.51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
ELECTRODE			NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	F2	F2

(LOWER)																				
TERMINAL NO.	Π			18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
ELECTRODE				P s	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1 G	F2	F2
TERMINAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
ELECTRODE	E-1	F1	ρ	₽	P	P	Р	Р	Р	P	P	Р	P	Р	Р	Р	P			
CELOTHODE	1 "	C.1	s	٢	q	р	n	m	k	j	h	g	f	e	d	С	b			

Notes: F: Filament NP: No. Pin

G: Grid P: Anode

TRANSISTORS

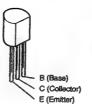
2SA988(E/F)	2SB647A(0
SA1515(R)	2SB1041(F
SC1815(Y)	2SD667A(0
SC1841(E/F)	•

(C) R)

2SA933S(S) 2SA1038S(S/E) 2SC1740S(E) 2SC1740SLN(E) 2SC2058(Q) 2SC2389S(S/E)

2SB1328(P) 2SD2004(P)

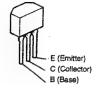
2SK161(GR)









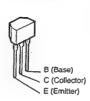


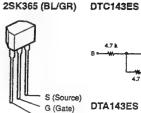
RN1241

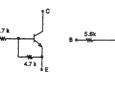
2SA1489(O/P/Y)(Z) 2SA1491(O/P/Y)(Z) 2SC3853(O/P/Y)(Z) 2SC3855(O/P/Y)(Z)

DTA114ES(10K-10K) DTB123ES DTC143ES(4.7K-4.7K) RN-1241(A/B) DTC144ES(47K-47K)

DTA143ES(4.7K-4.7K)







DTA143ES DTB123ES D (Drain) 5.6k

DIODES & LED

E (Emitter)

B (Base)

C (Collector)

1SS252

1S2471



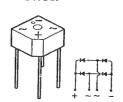
MTZJ3.3A MTZJ7.5C MTZJ6.2A MTZJ8.2B MTZJ6.8C MTZJ27D



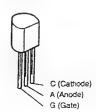




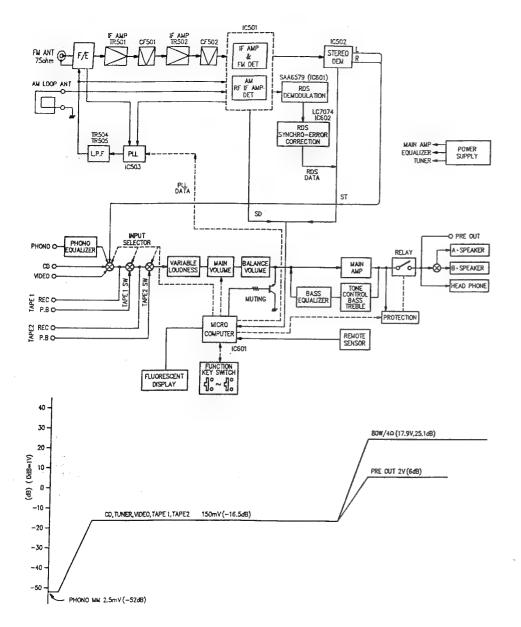
S4VB20



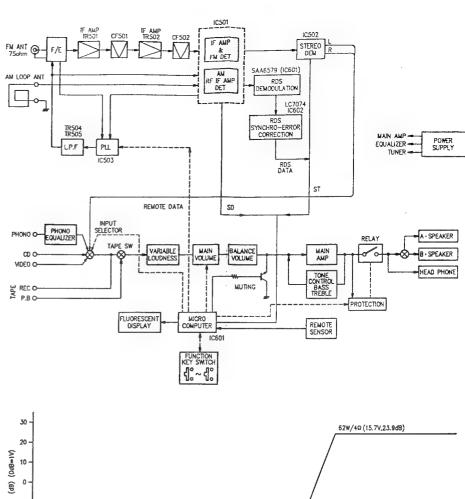
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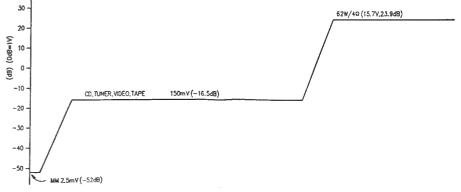


BLOCK/LEVEL DIAGRAM (DRA-565RD)



BLOCK/LEVEL DIAGRAM (DRA-365RD)





NOTE FOR PARTS LIST

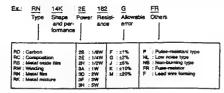
- Part indicated with the mark * * are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- · Ordering part without stating its part number can not be supplied.
- Part indicated with the mark *★* is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) WARNING:

Parts marked with this symbol A have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

Resistors

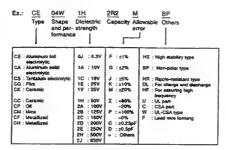
はこれる・2020日レ/3026日



Resistance

- ⇒ 1800 ohm ≈ 1.8 kohm indicates number ill zeros alter effective number.
 2-digit effective number.
- · Units: ohn
- 1 R 2 > 1.2 ohm
 L 1-digit effective number.
 2-digit effective number, decimal point indicated by R. · Units: ohm

Capacitors



· Capacity (electrolyte only)

2 2 2 3 2200µF

L Indicates number of zeros after effective number.
2-digit effective number.

2.2µF
 1-digit effective number,
 2-digit effective number, decimal point indicated by R.

Capacity (except electrolyte)

* When the dielectric strength is indicated in AC, "AC" is included after the dieelectric

PRINTED WIRING BOARD PARTS LIST 1U-2731B MAIN UNIT (DRA-565RD)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICO	NDUCTORS	GROUP		⚠ R387-390	241 2377 989	Castion 150ohm 1/4W	RD14B2E151JNBS
IC101	263 0609 00	IC NJM2068DDC		△ R393,394	244,2051,987		RS14B3A4R7JNBS(S
IC102	262 1227 00	ICLC7821		△ R401.	244 2051 987		RS14B3A4R7JNBS(S
IC201	263 0476 002	2 ICLB1639	1	A 8403 ≥ **	244 2055 954	Metallic 150ohm 1W	RS14B3A151JNBS(S
IC301	263 0565 007	IC BA15218		△ F408	241 2387 908		RD1482E010JNBS
IC401	263 0793 000	C NJM7806FA(S)		Δ.#411-4-1 Δ.#471_1	241 2377 947	Carbon 100ohm 1/4W	RD14B2E101.JNBS
IC601	262 1701 906	E SAA6579T	1	Δ P471	244 2055 996	Metallic 12kohm 1W,	RS14B3A12ZJNBS(S
10602	262 1929 900	IC LC7074NM-TE-R		△ R474	244 2051 990	Metallic 4.7kohm (W	RS14B3A472JNBS(S
TR201	269 0022 904	Transistor DTA143ES(4.7K-4.7K)		VR102	211 0831 002	Variable 100kohm	V1620V25F=104R(M
TR251	274 0151 903			VR201	211 0830 003	Variable 100kohm	V14V20FB104K
TR252	272 0107 906			VR251	211 0827 003	Variable 250kohm	V11V20FW254K
TR253	273 0388 906			VR301	211 0828 002	Variable 250kohm	V14V20FC254K
TR254	271 0192 905	1		VR303	211 0829 001	Variable 50kohm	V14V20FCS03K
TR255	273 0432 904			VR305,306	211 6093 912	Semi Fixed Resistor 4.7Kohm	V06PB472
TR256	271 0280 901			11			
TR257	273 0388 906			II i			
TR301,302				CARACITO	DC CD011D		
TR303,304	273 0235 923			CAPACITO	RS GROUP	,	
TR305-306				C101,102	253 1179 945	Ceramic 220pF/50V	CK4581H221K
	273 0235 923			C103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
TR309,310				C105,106	254 4254 925	Electrolytic 33u F/16V	CE04W1C330M
TR315,316	273 0198 002]	C107,108	253 4537 966	Ceramic 47pF/50V	CC45SL1H470J
TR317,318	274 0151 903			C109,110	255 1264 995	Film 5600pF/50V	CQ93M1H562J(B)
TR319,320	272 0107 906			C111,112	255 1264 924	Film 1500pF/50V	CQ93M1H152J(B)
TR325,326	273 0235 923			C113,114	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
TR327	271 0131 924			C115,116		Ceramic 0.022µF/50V	CK45F1H223Z
TR401	272 0131 901	Transistor 2SB1041(R)			253 1181 917		CC45SL1H560J
TR402,403	273 0388 906	Transistor 29C1740S(E)	Europe Model Only	C121~128	253 4357 982	Ceramic 56pF/50V	
			(Except for U.K.)	C129~131	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR451	273 0388 906	Transistor 2SC1740S(E)		C133	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR452	269 0018 905	Transistor DTC143ES(4.7K-4.7K)		C135	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
TR453	273 0388 906	Transistor 2SC1740S(E)		C136	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
TR472,473	273 0388 906	Transistor 2SC1740S(E)		C141,142	255 1264 908	Film 1000pF/50V	CQ93M1H102J(B)
TR474	271 0192 905	Transistor 2SA933S(S)		C151	253 1146 907	Ceramic 0.01 µF/50V	CK45F1H103Z
TR475	273 0388 906	Transistor 2SC1740S(E)		C183	253 1181 917	Ceramic 0.022µF/S0V	CK45F1H223Z
TR478,479	269 0040 902	Transistor DTC144ES(47K-47K)		C201~204	255 1264 982	Film 4700oF/50V	CQ93M1H472J(B)
				C209,210	253 1179 903	Geramic 100pF/50V	CK45B1H101K
D202-204	276 0616 907	Diode 1S\$252		C211	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
D303-306	276 0619 904	Diade 1S2471		C213,214	255 1265 978	Film 0.22µF/50V	CQ93M1H223J(B)
D307-312	276 0616 907	Diode 1SS252		C215,216	253 1179 990	Ceramic 560pF/50V	CK4581H561K
D401	276 0616 907	Diode 1SS252		C217	253 1181 917	Ceramic 0.022uF/50V	CK45F1H223Z
D402~404	276 0553 905	Diode 1SR35-200A		C218,219	254 4254 909		CE04W1C100M
D405	276 0338 007	Diode S4VB20F				Electrolytic 10µF/16V	
D406	276 0616 907	Diode 1SS252		C220	254 4252 927	Electrolytic 47µF/10V	CE04W1A470M
D407-410	276 0553 905	Diode 1SR35-200A		C221	254 4260 948	Electrolytic 1 µ.F/50V	CE04W1H010M
D407-410 D451	276 0616 907	Diode ISRSS-200A Diode ISS2S2	i	C225,226	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
D451 D452	276 0616 907	Diode 1SS252 Diode 1SS252		C251	254 4256 952	Electrolytic 220µ F/25V	CE04W1E221M
D452 D471				C252-254	254 4258 918	Electrolytic 10µF/35V	CE04W1V100M
DAZI	276 0616 907	Diode 1SS2S2		C301,302	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
Thoras ener	m á m	2		C303,304	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M
20251,252	276 0637 902	Zener Diode MTZJ6.2A	i	C305,306	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
ZD401	276 0632 907	Zener Diode MTZJ27D		C307,308		Ceramic 47pF/50V	CC45SL1H470J
ZD451	276 0634 905	Zener Diode MTZJ3.3A]	C311-316		Ceramic 10oF/50V	CC45SL1H1000
ZD452	276 0633 906	Zener Diode MTZJ6.8C		C323,234		Electrolytic 1µF/50V	CE04W1H010M
ZD471	276 0635 904	Zener Diode MTZJ7.5C			,	, ,	
				C325,326		Film 0.22µF:50V	CQ93M1H223J(B)
SC471	279 0016 904	Thyristor SF0R1A42				Electrolytic 4.7μ F/63V	CE04W1J4R7M
				1		Film 6800pF/50V	CQ93M1H682J(B)
ECICTOS	C CDOUE	L		1		Electrolytic 33 µF/16V	CE04W1C330M
	S GROUP					Ceramic 100pF/50V	CK45B1H101K
Fi205-208	244 2050 933	Metallic 180ohm 1W	RS14B3A181JNBS(S)	C337,338	255 1265 981	Film 0.27µF/50V	CD93M1H273J(B)
R265,266	241 2387 940	Carbon 4.7ohm 1/4W	RO14B2E4R7JNBS	C339,340	256 1034 982	Film 0.012µF/50V	CF93A1H124J
R311,312	241 2379 932	Carbon 620ohm 1/4W	RD1482E621,INBS	C341,342		Film 1500pF/50V	CQ93M1H152J(B)
R329.330	241 2378 920	Carbon 220ohm 1/4W	RD14B2EZ21JNBS			Film 0.1µF/50V	CQ93M1H103J(B)
R331-338	244 2043 982	The state of the s	RS14B3AR22_INBS(S)	1		Electrolytic 1µF/50V	CE04W1H010M
R343-346	241 2379 987	tion of the first operation of the contract of	RD14B2E102JNBS		1	Film 0.1µF/50V	CQ93M1H103J(8)
R385.386	241 2379 987	Att. Salary of the Control of Salary	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4			CE04W2A010M
- AVV,000	PALENT HOS	Carbon 620ohm 1/4W	RD14B2E621JNBS	U240	CPE CO2 PR2	Electrolytic 1µF/100V	COMPLEADIUM

1U-2732B TUNER UNIT (DRA-565RD)

				10-2732	RIONE	R UNIT (DRA-56	5KD)
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C353,354	256 1034 979	Film 0.01µF/50V	CF93A1H104J	SEMICO	NDUCTORS	GROUP	
C371-374	256 1034 979	Film 0.01µF/50V	CF93A1H104J	IC501	263 0891 001	IC LA1265(S)	
C377,378	254 4260 948	Bectrolytic 1µF/50V	CE04W1H010M	IC502	263 0439 007	IC LA3401	
C401	259 0007 702	For Back up 8200µF	S8 CAP==822=C	IC503	262 0719 009	IC LM7001	
C402	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	1 !			
C403	254 4257 702	Bectroivis 3300uF/25V	CE04W1E332MC	IC504	263 0801 004	IC NJM7812FA(S)	
C404	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	IC601	263 2039 017	IC TMP87CM71F-6192	
C405	254 4254 909		CE04W1C100M	TR501	275 0051 909	T	
ملات	CA 4CA 909	Bectrolytic 10µF/16V		TR502		Transistor 2SK161(GR)	
	1		Europe Model Only		273 0434 902	Transistor 2SC2058S(Q)	
0.00.00			(Except for U.K.)	TR503	269 0150 902	Transistor DTB123ES	-
C406,407	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	TR504 TR505	273 0435 901	Transistor 2SC1740SLN(E)	1
△ C408,409	250,115 (905)	Counic (700pF500V	CK45E8H472F	TR506	275 0053 907	Transistor 2SK365(BUGR)	
C415,416	254 4374 708	Electrolytic 8200µF/56V	CE04W822MC(DL)	TR507.508	269 0046 906 269 0040 902	Transistor DTA114ES(10K-10K)	
C418	254 4260 948	Electrolytic 1 µF/50V	CE04W1H010M	TR507,508		Transistor DTC144ES(47K-47K)	
7 C418		Film@1juf7250V	CF83A2E104K	1H509	271 0279 909	Transistor 2SA1515(R)	
C451	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7M				
C452	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	D411	276 0616 907	Diode 1SS252	Europe Model Only
C458	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M		1		(Except for U.K.)
C471	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M				
C472	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	ZD501	276 0636 903	Zener Diode MTZJB.2B	
C473	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	ZD651	276 0636 903	Zener Diode MTZJ8.28	
C480	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	RESISTOR	S GROUP	Not included Carbon Film	+5% 1/4W)
C601,602	253 3131 907	Ceramic 27pF/50V	CC4SCH1H270J	ACSISTOP	C GROOP (TOURISHINGS CREDON PIN	. 20 70 17777
C603-605	254 4250 916	Bectrolytic 47µF/6.3V	CE04W0J470M				
C607,608	253 4537 911	Ceramic 30pF/50V	CC45SL1H300J	CARACTTO	RS GROUP		
C609	253 1181 904		CK45F1H103Z				
C610		Ceramic 0.01µF/50V		A CAR	325380 JA 702	Ceramic 0.0 fur F600VAC	CK45P2GAC103MC
	254 4250 916	Electrolytic 47µF/6.3V	CE04W0J470M	100000000000000000000000000000000000000	30	97747-5504	Europe Model Only
C611	253 1179 990	Ceramic 560pF/50V	CK45B1H561K				(Except for U.K.)
OTHERS P	ARTS GRO	IP.		A C413 -	253-8014-702	Ceramic 0.01µFH00VAC	CK45F2GAC103MC
				C501-505	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
L101,102	235 9003 002	FTZ Choke Coil		C506	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
1.391,392	235 0068 004	Inductor	1µH	C507	253 4536 954	Ceramic 16pF/50V	CC45SL1H160J
			J	C508	254 4254 909	Bedrolytic 10u F/16V	CE04W1C100M
RL471	214 9003 005	Relay					
	i l	1		CS09	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
TP301,302	205 0190 036	3P NH Connector Base	TEST POINT	C510-513	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
	lì		i	C514	254 4256 936	Electrolytic 47µF/25V	CE04W1E470M
XL601	399 0178 007	Crystal	4.332MHz	CS15	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
XL602	399 0041 901	Ceramic Filter	CSA 4.00MHz	C516	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3M
				C517	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z
	204 8354 004	Head Phone Jack	1	CS18	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M
	204 8486 002	4P Pin Jack(S-GND)		CS19	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
	204 8467 001	6P Pin Jack(S-GND)	- 1	CS20	256 1034 937	Film 0.047µF/50V	CF93A1H473J(B)
	212 4778 009	2º Push Switch	1	C521	253 9031 904	Ceramic 0.047µF/25V	CK45=1E473K
ĺ				C522.523	254 4254 912		CE04W1C220M
	212 1074 007	1P Push Switch	Erman Made	10.00		Bectrolytic 22µF/16V	
	205 0484 001	8P SP Terminal	Europe Model	CS25	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
	205 0472 013	&P SP Terminal	U.K. Model	C\$26.527	253 4446 903	Ceramic 330pF/50V	CC45SL1H331J
				CS29	254 4254 938	Electrolytic 47)xF/16V	CE04W1C470M
CN2A-2A	205 0185 025	2PWire Holder		C530	254 4260 948	Electrolysic 1µF/50V	CE04W1H010M
CN3B,3F	205 0343 032	3P Connector Base (KP-PH)	CNSF Europe Model Only	C\$31	254 4280 919	Electrolytic 0.22µF/50V	CE04W1HR22M
			(Except for UJK)	CS32	254 4260 948	Sectiolytic 1µF/50V	CE04W1H010M
CN5A-5A	205 0185 054	SPWire Holder		C533	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
CN7A	205 0696 077	JL Connector(8T-E)	1	CS34,535	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M
CN8A	205 0535 002	&P Connector Base		CS36	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z
CN9B	205 0696 093	JL Connector(BT-E)		CS37	254 4260 906	Becirolytic 9.01µF/50V	CE04W1H0R1M
CN9B	205 0748 093	9P JL Connector(R)	1				
CN27A		27P FFC Connector Base	1	CS38	254 4254 938	Bectrolytic 47µF/16V	CE04W1C470M
- '			1	CS39	254 3056 917	Electrolytic 1µF/50V	CE04D1H010MBP
	203 0539 060	1 P SIN Cord Ass V	- 1	C540	253 1181 917	Ceranic 0.022µF/50V	CK45F1H223Z
1		1P SIN Cord Ass'y		C542,543	253 4536 954	Ceramic 16pF/50V	CC45SL1H160J
1		1P SIN Cord Ass'y	i	C544	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
			I	CS45	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
1		1P SIN Cord Ass'y	1	C546	254 4254 938		CE04W1C470M
-		1P Contact Ass'y		C547	254 4254 909		CE04W1C100M
ł		2C Ribbon Cable	1	1	1		
				C548	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M
1		5C Ribbon Cable P.V.C. Tube(L=10)	I i	CS51-554	253 1146 907	, ,	CK45F1H103Z

RA-565RD) 1U-2731 MAIN UNIT (DRA-365RD)

	Don't M	D-4 Mama		D-4 M	Dort Ma	Part Name	Dame de
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.		Remarks
C651	255 1265 949	Film 0.012µF/50V	CQ93M(H123J(B)	SEMICO	NDUCTORS	GROUP	T-198
C652	254 4300 963	Electrolytic 100µF/6.3V	CE04W0J101M	IC101	263 0609 002	IC NJM2068DDC	1
C653	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	IC102	262 1227 008	IC LC7821	
	1			fC201	263 0476 002	IC LB1639	i
	1		1	IC301	263 0565 007	IC BA15218	
OTHERS	PARTS GRO			IC401	263 0793 002	IC NJIM7806FA(S)	1
	Ania ano	OF		IC601	262 1701 906	IC SAA6579T	
CF501,502	261 0064 007	Ceramic Filter	SFT10.7MS2	10602	262 1929 908	IC LC7074M-TE-R	
CF503	261 0116 007	Ceramic Filter	SFU45083	1			-
CF504	261 0101 009	Ceramic Filter	BFU450C4N	TR201	269 0022 904	Transistor DTA143ES(4.7K-4.7K)	
]	TR251	274 0151 903	Transistor 2S02004(P)	
1 F401	+206 (015 D61	Fuse 2A	580	TR252	272 0017 906	Transistor 2SB1328(P)	
F402	206 1015 029	Fuse 1A 17	Europe Model Only	TR253	273 0388 906	Transistor 2SC1740S(E)	
100	940 F B 100		(Except for U.K.)	TR254	271 0192 905	Transistor 2SA933S(S)	
eneri serian a dalah	**************************************	V/10400000000000000000000000000000000000	The state of the s	TR255	273 0432 904	Transistor 2SC2389S(S/E)	
RL401	214 0176 009	Relay (G5P-1)	Europe Model Only	TR256	271 0280 901	Transistor 2SA1038S(S/E)	
			(Except for U.K.)	TR257	273 0388 906	Transistor 2SC1740S(E)	
			1	TR301,302	269 0107 900	Transistor RN1241 (A/B)	
RM601	499 0150 008	Remote Sensor	S8X1610-52	4	273 0235 923	Transistor 2SC1841(E/F)	
				TR303,304	271 0131 924	Transistor 2SA988(E/F)	1
SW601-615	212 5604 910	Tact Switch		TR305-308			Ī
		AND THE PROPERTY OF THE PROPER	777	TR309,310	273 0235 923	Transistor 2SC1841(E/F)	
SM-m)	212 1030 009	Power Switch	TV6 as a	TR315,316	273 0198 002	Transistor 2SC1815(Y)	1
Tree a				TR317,318	274 0060 900	Transistor 2SD667A(C)TZ	
T501	231 1913 004	MW Antenna Oscillator Coll		TR319,320	272 0053 908	Transistor 2SB647A(C)	
T502	231 2098 009	FM IF DET Trans		TR325,326	273 0235 923	Transistor 2SC1841(E/F)	
T503	231 1144 006	AMIFT		TR327	271 0131 924	Transistor 2SA988(E/F)	ĺ
T504	232 90 10 009	Antibidie Filter	1	TR401	272 0131 901	Transistor 2S81041(R)	
T505,506	232 0085 004	LPF		TR451	273 0388 906	Transistor 2SC1740S(E)	
				TR452	269 0018 905	Transistor DTC143ES(4.7K-4.7K)	!
XL502	261 0103 007	Ceramic Oscillator	CSB456F11	TR453	273 0388 906	Transistor 2SC1740S(E)	i
XL503	399 0075 003	Crystal	7.2Mhz	TR472,473	273 0388 906	Transistor 2SC1740S(E)	l
XL601	399 0191 903	Ceramic Oscillator	CST4.00MGW-TF01	TB474	271 0192 905	Transistor 2SA933S(S)	1
				TB475	273 0388 906	Transistor 2SC1740S(E)	
	393 4155 002	RLD	FIP14AM7R	TR478,479	269 0040 902	Transistor DTC144ES(47K-47K)	İ
	205 0847 004	3P Antenna Terminal (PAL/F)	THE PROPERTY.	117470,479	203 0040 302	Transistor DTOTALES(47 K-47 K)	
	216 0065 006	Front End		Dans		D:- 4- 4 DODGO	
	205 0624 007	2P AC Connector Base	1	D202-204	276 0616 907	Diode 1SS252	1
	205 0024 007	2P AC Connector base		D303-306	276 0619 904	Diode 1S2471	
CN3D			Contraction .	D307~310	275 0616 907	Diode 1SS252	1
CN3D	205 0581 001	2P VH Connector Base	Europe Model Only	0311,312	276 0616 907	Diode 1SS252	
			(Except for U.K.)	D401	276 0616 907	Diode 1SS252	ľ
CN3E	205 0581 056	2P VH Connector 8ass		D402~404	276 0553 905	Diode 1SR35-200A	1
CN7A	205 0748 077	JL Connector(R)	1	D405	276 0338 007	Diode S4VB20F	,
CNSA	205 0536 001	8P Connector Socket		D406	276 0616 907	Diode 1SS252	
CN27A	205 0880 016	27P FFC Connector Base		D407-410	276 0553 905	Diode 1SR35-200A	•
CN3B	203 2361 003	2P SAN-3P PH Connector Cord	1	D451	276 0616 907	Diode 1SS252	
				D452	-276 0616 907	Diode 1SS252	
	203(54)(65)	Regised by a second	10 M	D471	276 0616 907	Diode 1SS252 Diode 1SS252	
	200000000000000000000000000000000000000	PControlCy	14 1 15011	1 1 1 1 1 1 1 1 1 1	2/00016907	NUMB 199005	
	ex350 (100 l	STIPHEANCONS CO.	Eutrope Model Only	30004.000		Town State & STT In St	ĺ
			(SouplovVX)	ZD251,252	276 0837 902	Zener Diode MTZJ5.2A	
	77777	المراجع المتحربين		20401	276 0632 907	Zaner Diode MTZJ27D	
		THE THE COLUMN TWO IS NOT THE COLUMN TWO IS					
		922 N. S.			276 0633 906	Zener Diode MTZJ6.8C	
	202 0040 909	Fuse Cap	0.87	ZD471	276 0635 904	Zener Diode MTZJ7.5C	
				SC471	279 0016 904	Thyristor SF0R1A42	
		PHI consider Cori	Europe Model (Filty (Except for U.K.)	SC471 RESISTOR: A P207/208 A P265/208 A R311.312	276 0635 904 279 0016 904 S GROUP	Zener Diode MTZJ7.5C	RS1483A391,N E01482E-474,N R01482E-621,A
	1			△ F329,33 0			R01482E221JNBS
	- 1				241 2378 920	Carbon 220ohm VAW	RS14B3AR22.INBS
l.			!	Δ R343,344	244 2043 982	Metallic 0.22ohm IW	RD1482E102JNBS
	- 1	i		△ R345,346	241 2379 987 241 2378 962	Carbon 1kohm 1/4W Carbon 330ohm 1/4W	RD1482E331JNBS

Ref. No.	Part No.	Part Name	Hemarks	н
△ R385,386	241 2379 932	Carbon 620ohin 1/4W	AD14B2E621JNBS	1
▲ R387-990 ▲ R393-394	241 2377 989	A CONTRACTOR OF THE CONTRACTOR	BD14825151,845	4
A-8303 304	241 2377 989 244 2051 987	Metallic & Total (W. C	EDIABLES MESS	a 1
A 9/01	244 2051 987	Allert Colon DR	HCVARQUART ADDRESS	1
△ R383,394 △ R401 △ R408	241 2307 000	Metalic 4.7 dam (W	000000000000000000000000000000000000000	
		Caller Heal Day 2		1
Δ R01 Δ R07	A SOUTH	Carbon (Coorne (4)Ville - Service Metallic (torne (W.C.) Metallic (7)Coorne (W.	HOLERCE POLICES	
△ ROT	244 2051 974	Metalic Horizotti (Majora)	ASIABOA INCARESIS	
△ R474	244 2051 990	Metalic 4 7 com 1W	RSTABBAATZABS(S)	1
				П
VR102	211 0831 002	Variable 100kohm	V1620V2SF=104R(MG)	Ш
VR201	211 0830 003	Variable 100kohm	V14V20FB104K	н
VR251	211 0827 003	Variable 250kohm	V11V20FW254K	П
VR301	211 0828 002	Variable 250kohm	V14V20FC254K	П
VR303	211 0829 001	Variable 50kohm	V14V20FC503K	Н
VR305,306	211 6093 912	Semi Fixed Resistor 4.7Kohm	V06PB472	П
				Ш
				П
CAPACITI	ORS GROUP		1	П
C101,102	253 1179 945	Ceramic 220pF/50V	CK4581H221K	H
C103,104	254 4254 909	1	CE04WIC100M	П
C105,104	254 4254 908	Bectrolytic 10µF/16V	CEO/W1C330M	П
		Bectrolytic 33µF/16V	CC45SL1H470J	Н
C107,108	253 4537 966	Ceramic 47pF/50V	CQSSM1H562J(B)	П
C109,110	255 1264 995	Film 5600pF/50V		Н
C111,112	255 1264 924	Film 1500pF/50V	CQ93M1H152J(B)	П
C113,114	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	۱ŀ
C115,116	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	H
C121-124	253 4537 982	Ceramic 56pFr50V	CC45SL1H56QJ	н
C127,128	253 4537 982	Ceramic 56pF/50V	CC45SL1H560J	Ш
C129	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	Ш
C131	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	П
C133	253 1181 917	Ceramic 0.022u F/50V	CK45F1H223Z	П
C135	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	
C136	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C141,142	255 1264 908	Film 1000pF/50V	CQ93M1H102J(B)	П
C151	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	П
C201204	255 1264 982		CQ93M1H472J(B)	
C213.214	255 1265 978	Film 2200pF/50V	CQ93M1H223J(B)	
		Film 0.022µF/50V		
C215,216	253 1179 990	Ceramic 560pF/50V	CK4581H561K	1
C217	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	
C218,219	254 4254 909	Bectrolytic 10µF/16V	CE04W1C100M	
C220	254 4252 927	Electrolytic 47µF/10V	CE04W1A470M	1
C221	245 4260 948	Bectrolytic 1µF/50V	CE04W1H010M	1
C225,226	253 1146 907	Ceramic 0.01µF/50V	CK45F1H103Z	
C251	254 4256 952	Electrovic 220u F/25V	CE04W1E221M	1
C252~254	254 4258 918	Electrolytic 10µF/35V	CE04W1V100M	1
C301,302	254 4260 948		CE04W1H010M	1
		Electrolytic 1µF/50V	CE04W1HR33M	1
C303,304	254 4260 922	Electrolytic 0.33µF/50V		I
C305,306	253 1179 903	Ceramic 100pF/50V	CK4581H101K	1
C307,308	253 4537 982		CC45SL1H560J	1
C311-316	253 4536 909		CC45SL1H1000	
C323,324	254 4260 948	Bectrolytic 1µF/50V	CE04W1H010M	
C325,326	255 1265 978	Film 0.022µF/50V	CQ93M1H223J(B)	1
C327~330	254 4262 904	Bectrolytic 4.7µF/63V	CE04W1J4R7M	1
C333,334	254 4254 925		CE04W1C330M	1
C335,336	253 1179 903		CK45B1H101K	1
C337,338	255 1265 981		CQ93M1H273J(B)	1
				1
C339,340	256 1034 982		CF93A1H124J	П
C341,342	255 1264 924		CQ93M1H152J(B)	1
C343,344	255 1265 936	Film 0.01µF/50V	CQ93M1H103J(B)	
C345,346	254 4260 948		CE04W1H010M	
C347	255 1265 936		CQ93M1H103J(B)	
C348			CE04W2A010M	L
C353,354	256 1034 979	Endowo) In the	CF93A1H104J	1
C371-374	256 1034 979			ı
		Film 0.1µF/50V	CF93A1H104J	_

Ref. No. Part No. Part Name Remarks

Ref. No.	Part No.	Part Name	Remarks
C377,378	245 4260 948		CE04W1HD10M
C401	259 0007 702	For Back up 8200µF	SB CAP==822=C
C402	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
C403	254 4256 790		CE04W1E222MC
C404	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
C406,407	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
⚠ C408,409	-253 1151 906	Ceramic (700pF/500V	CKASE2H472P
C415,416	254 4355 002	Electrolytic 6800µF/50V	CE04W1H682MDL
C418	254 4260 948	Bectrolytic 1µF/50V	CE04W1H010M
⚠:C419		Fim U. imF/2509	
C451	254 4258 905 253 1181 904	Bectrolytic 4.7µF/35V	CE04W1V4R7M
C452 - C458	254 4260 948	Ceramic 0.01µF/50V	CK45F1H103Z
C471	254 4260 980	Electrolytic 1µF/50V	CE04W1H010M
C472	254 4254 909	Electrolytic 10µF/50V	CE04W1H100M
C473	254 4250 945	Electrolytic 10µF/16V	CE04W1C100M
C480	253 1146 907	Electrolytic 330µF/6.3V	CE04W0J331M
C601,602	253 3131 907	Ceramic 0.01µF/50V	CK45F1H103Z
	254 4250 916	Ceramic 27pF/50V	CC45CH1H270J
C603~605 C607,608	253 4537 911	Bectrolytic 470µF/6.3V	CE04W0J470M
C609	253 1181 904	Ceramic 30pF/50V	CC45SL1H300J
		Ceramic 0.01µF/50V	CK45F1H103Z
C810 C611	254 4250 916 253 1179 990	Electrolytic 470µF/6.3V Ceramic 560pF/50V	CE04W0J470M
OOH	233 11/8 990	resente souprisuv	CK45B1H561K
	1		
	1		1
OTHERS F	PARTS GRO	UP	
L101,102	235 9003 002	FTZ Choke Coil	
L391,392	235 0068 004	Inductor	1µH
			1
RL471	214 0167 005	Relay	G5Z-2A
X1,601	399 0178 007	Crystal	4.332MHz
XI_602	399 0041 901	Ceramic Filter	CSA4.00MG
	204 8354 004	Head Phone Jack	
	212 4778 009	2P Push Switch	SP. A-B
	205 0190 036	3P NH Connector base	TEST POINT
	204 8466 002	4P Pin Jack(S-GND)	
	204 8467 001	6P Pin Jack(S-GND)	
	205 0484 001	8P SP.Terminal	Europe Model
	205 0472 013	8P SP.Terminal	U.IC Model
CN2A	002 0012 065	2C Ribbon Cable	
CN38	205 0343 032	3P Connector Base	
CN5A	002 0041 010	SC Ribbon Cable	
CN7A	205 0696 077	JL Connector(BT-E)	
CNSA	205 0535 002	8P Connector Base	*
CN9B	205 0696 093	JL Connector(BT-E)	
CN9B	205 0748 093	9P.JL Connector(R)	
CN27A	205 0880 016	27P FFC Connector Base	
Ì	203 0539 060	1P SIN Cord Ass'y	
	203 0539 073	1P SIN Cord Ass'y	
	203 0539 086	1P SIN Cord Ass'y	
		1P SIN Cord Ass'y	
}	203 0475 043	1P Contact Ass'y	
	205 0185 025	2P Wire Holder	
		5P Wire Holder	
	415 0309 013	P.V.C. Tube(L=10)	
Ì	1	İ	
İ			

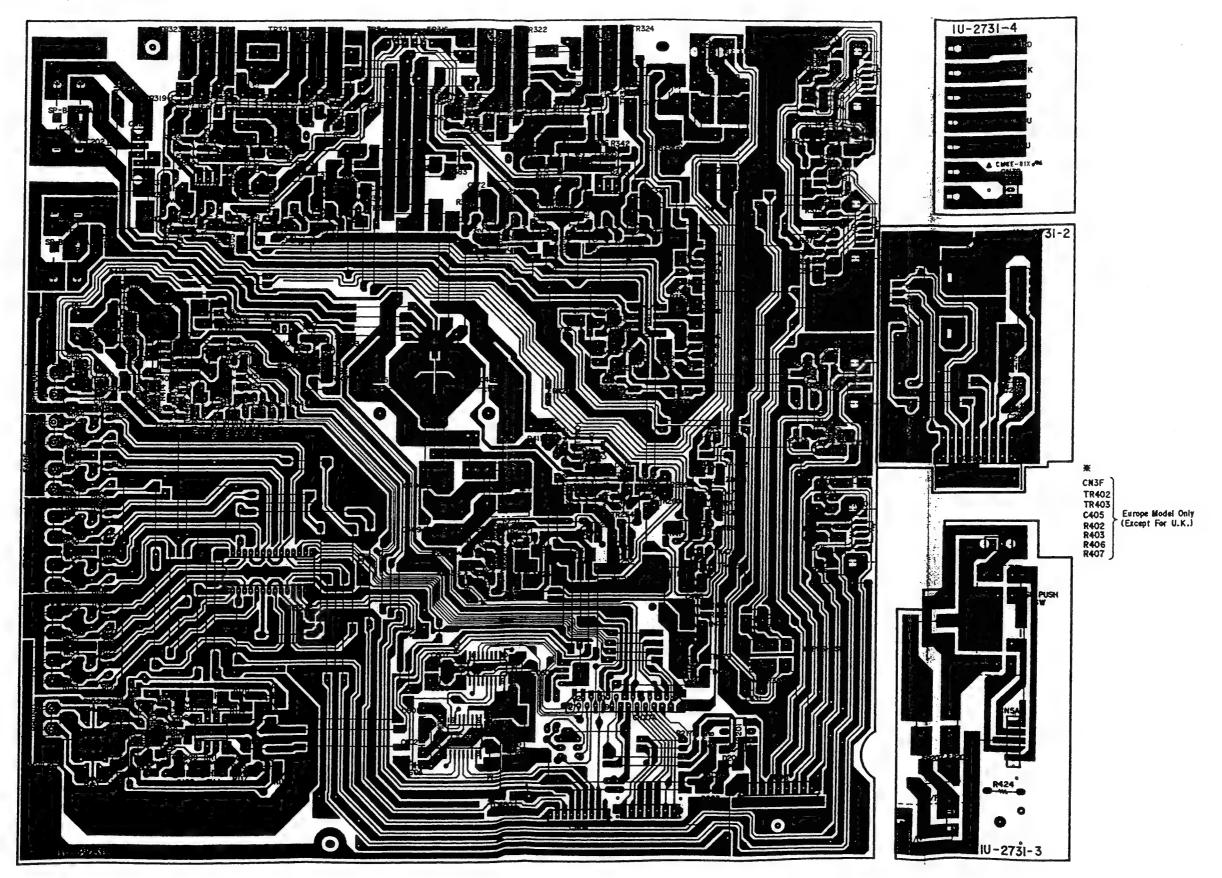
1U-2732 TUNER UNIT (DRA365RD)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICO	NOUCTORS	GROUP		OTHERS	PARTS GRO	OUP	
IC501	263 0891 001	IC LA1265(S)	T	CF501,502	261 0064 007	Ceramic Fitter	SFT10.7MS2
1C502	263 0439 007		1	CF503	261 0116 007	Ceramic Fitter	SFLM5083
IC503	262 0719 009	IC LM7001		CF504	261 0101 009	Ceramic Filter	BFU450C4N
IC504	263 0801 004	IC NJM7812FA(S)			1		5.04204.1
10601	263 2039 017		j	△ F401	206 10 15 0 16	Fuse 1.25A	7.5
1			1	△ F402	206 1015 029	Factor Control	Europe Model Only
TR501	275 0051 909	Transistor 2SK161(GR)		75.00	25*	A COLUMN TO SERVICE STATE OF THE PARTY OF TH	(Except for U.K.)
TR502	273 0434 902	Transistor 2SC2058S(Q)		Address and the State of the St			And was been been been been been been been bee
TR503	269 0150 902	Transistor DTB123ES		RM601	499 0150 008	Remote Sensor	SBX1610-52
TR504	273 0435 901	Transistor 2SC1740SLN(E)				1	
TR505	275 0053 907	Transistor 2SK365(BUGR)	1	△ SW401	212 (030 009	Power Switch?	TVS
TR506	269 0046 906	Transistor DTA114ES(10K-10K)		SW601-603	212 5604 910	Tact Switch	
TR507,508	269 0040 902	Transistor DTC144ES(47K-47K)		SW405615	212 5604 910	Tact Switch	
TR509	271 0279 909	Transistor 2SA1515(R)		11			1
				T501	231 1913 004	MW Antenna Oscillator Coil	
20501	276 0636 903	Zener Diode MTZJB.26		T502	231 2098 009	FM IF DET Trans	
20651	276 0636 903	Zener Diode MTZ,8.28		T503	231 1144 006	AM IFT	i
l				T504	232 9010 009	Anti birdie Filter	
				T505,506	232 0085 004	LPF	ł
BEGIGTO	S CBOILE	Not included Carbon Film	459/ 4/AMA				
1233101	- anour (THE INCIDENCE CARDON PIN	12070 1/4W)	XL502	261 0103 007	Ceramic Oscillator	CBS456F11
				XL503	399 0075 003	Crystal	7.2Mhz
CAPACITO	ORS GROUP			XL601	399 0191 903	Ceramic Oscillator	CST4.00MGW-TF01
	The second second		The same was the same and the same	1			
∆ (49+	253 8014 702		CK45F2GAC103MC		216 0065 006	Front End	
C501-506	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z		393 4155 002	FLD	FIP14AM7R
C507	253 4536 954	Ceramic 16pF/50V	CC45SL1H160J		205 0874 004	3P Antenna Terminal	PAL/F
C508	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		205 0624 007	2P AC Connector Base	
CS09	253 1179 903	Ceramic 100pF/50V	CK45B1H101K				
C510-513	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	CN38	203 2361 003	2P SAN-3P PH Connector Cord	
C514	254 4256 936	Electrolytic 47µF/25V	CE04W1E470M	CN3E	205 0581 056	2P VH Connector Base	
CS15	254 4260 948	Electrolytic 1 µF/50V	CE04W1H010M	CN30	205 0581 001	2P VH Connector Base	Europe Model Only
CS16	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3M	I 1			(Except for U.K.)
C517	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	CN7A	205 0748 077	JL Connector(R)	
C518	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M	CNBA	205 0536 001	8P Connector Socket	
C519	253 1179 903	Ceramic 100pF/50V	CK4581H101K	CN27A	205 0880 016	27P FFC Connector Base	
CS20	256 1034 937	Film 0.047µF/50V	CF93A1H473J	240000000000000000000000000000000000000			
C521	253 9031 904	Ceramic 0.047µF/25V	CK45=1E473K	Δ	203 0548 051	1P Contact Ausy	7866 V V V
C\$22,523	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	A	203 0548 064	1PContactAssy	7-26
CS25	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	Δ	203 50 16 009	3PWH Connector Cord	Europe Hodel Only
CS26,527	253 4448 903	Cerarric 330pF/50V	CC45SL1H331J		100	CONTRACTOR OF THE	(Except for U.K.)
CS29	254 4254 938	Bectrolytic 47µF/16V	CE04W1C470M	Δ	202 0040 909	Fuse Clip	
C530	254 4260 948	Electrolytic 1stF/50V	CE04W1H010M	1			
C531	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M	1			
CS32	254 4260 948	Electrolytic 1µF/50V	CE04W1H010NE		1	1	
C533	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z		- 1		
C534,535	254 4260 951	Bectrolytic 2.2µF/50V	CE04W1H2R2M				
C536	253 1146 907	Ceramic 0.01µ.F/50V	CK45F1H103Z	1			
C\$37	254 4260 906	Electrolytic 0.01 µ.F/50V	CEDAWIHORIM		- 1		İ
CS38	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	1	Į.		
CS39	254 3056 917		CE04D1H010MBP		-		
C540	253 1181 917		CK45F1H223Z		1	ļ	
C542,543	253 4536 954		CCASSI 1H160.1				1
CS44	253 1181 904				1		
C545	254 4260 948		CK45F1H103Z		1		i
C545 C546			CE04W1H010M		1		
	254 4254 938		CE04W1C470M				
C547	254 4254 909		CE04W1C100M		į		
C548	254 4260 980		CE04W1H100M		j		
C551-554	253 1146 907		CK45F1H103Z		i	1	l
C651	255 1265 949	Film 0.012µF/50V	CQ93M1H123J(B)		ļ	1	
C652	254 4300 963		CE04WCJ101M		1		
C653	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z				
1						İ	ļ
			11		1		I

PRINTED WIRING BOARD PATTERNS

1 2 3 4 5 6 7 8

1U-2731B MAIN UNIT (DRA-565RD)



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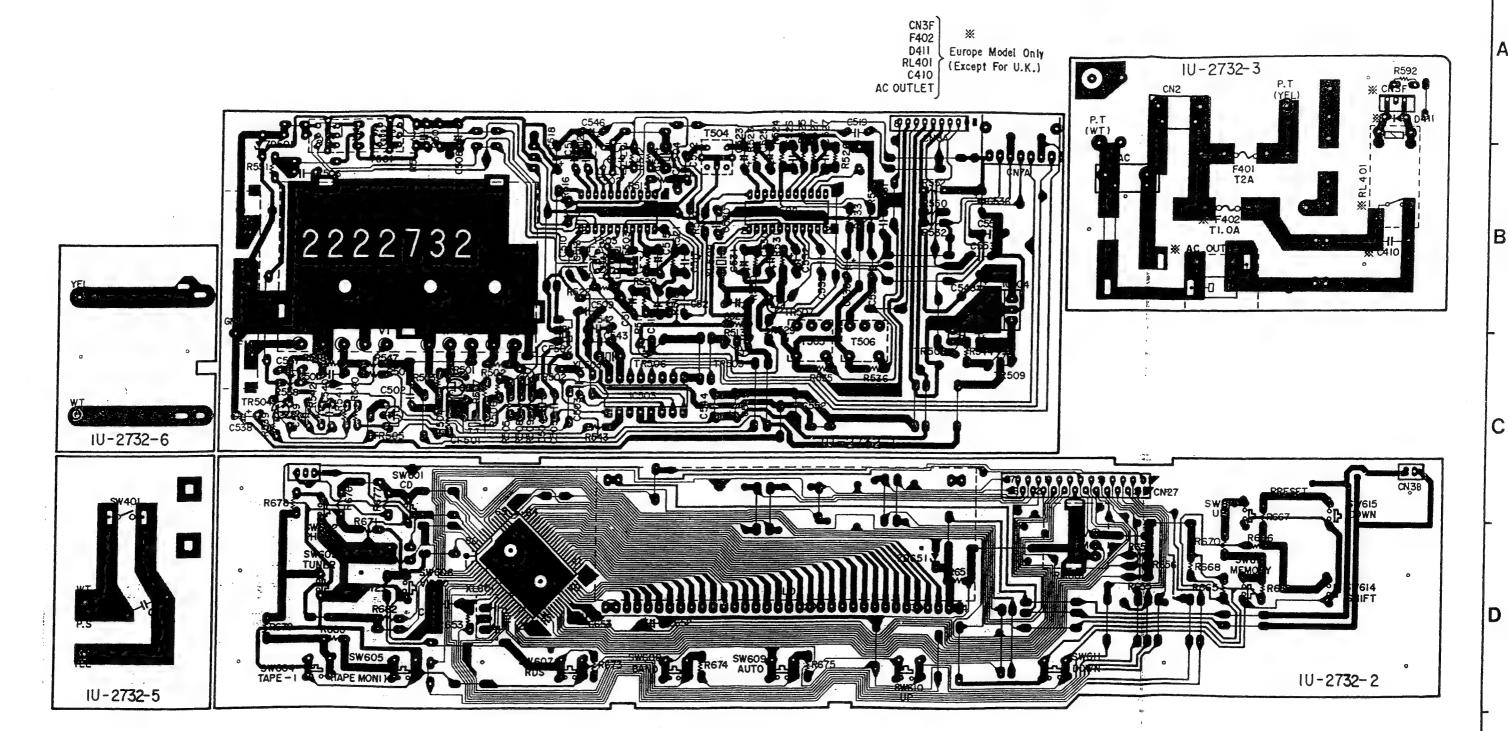
1U-2731 MAIN UNIT (DRA-365RD)

10-2731-4

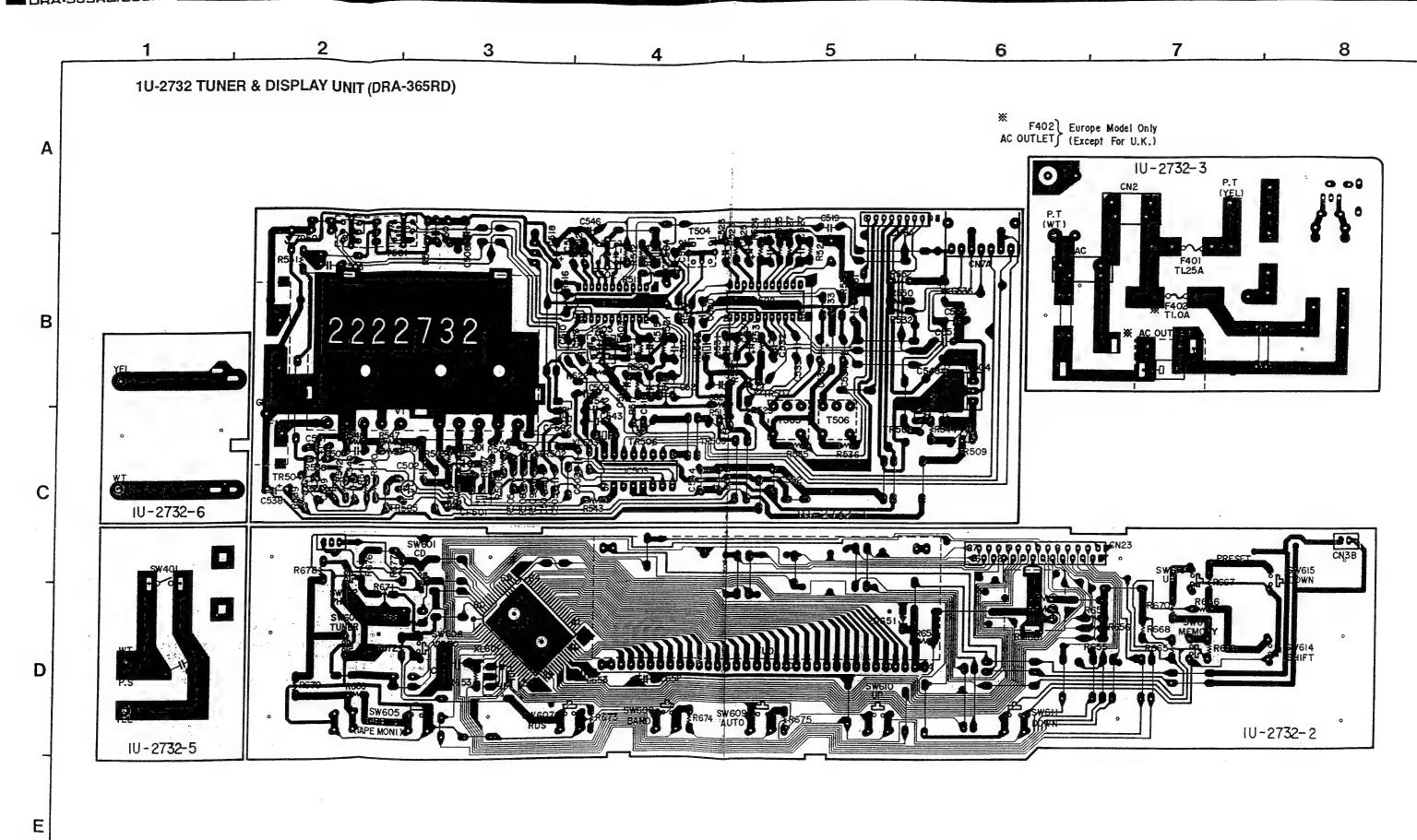
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1U-2732B TUNER & DISPLAY (DRA-565RD)



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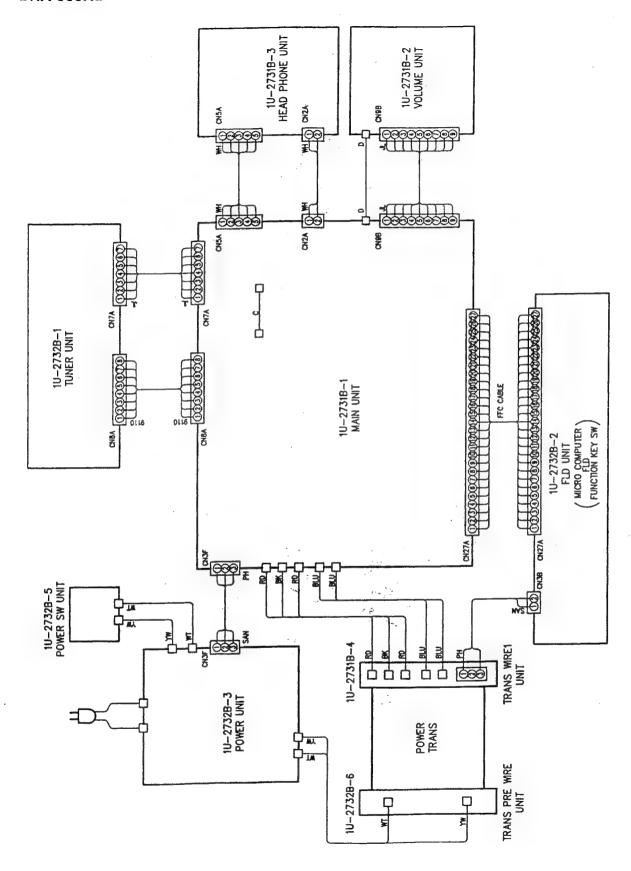
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DRA-565RD



IDRA-565RU/365RU

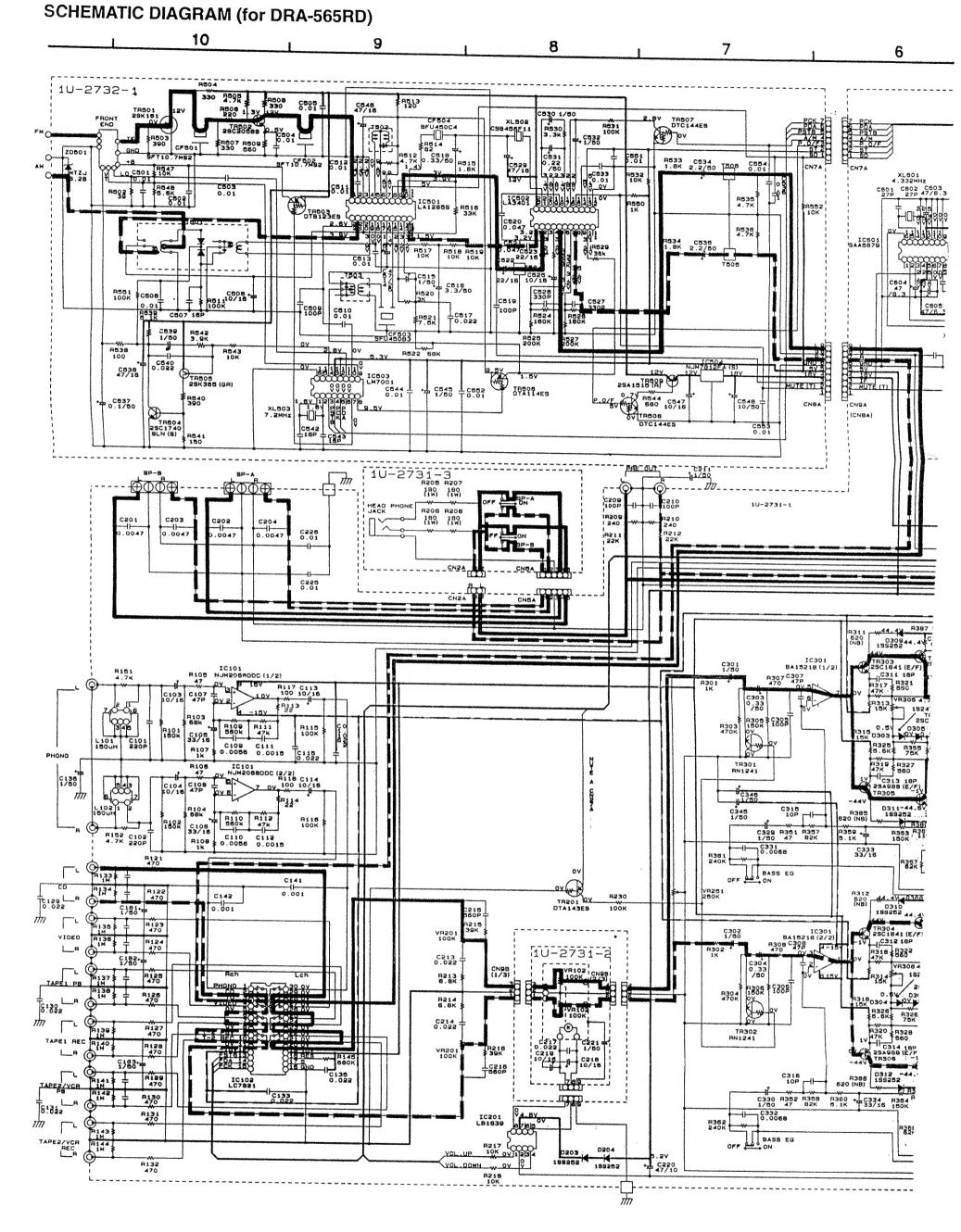
PARTS LIST EXPLODED VIEW (DRA-565RD)

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Re	f. No.	Part No.	Part Name	Remarks	Q'ty
) r=-1	10-2731 8	MAIN UNIT ASS'Y		1		48	102 0520 129	TOP COVER		1
r 1-1	-	MAIN UNIT				49	461 0769 009	RUBBER SHEET		2
1-2	_	VOLUME UNIT	1			50	122 0146 015	HIMERON SHEET		1 7
4 1-3	_	HEAD PHONE UNIT				51	445 0048 003	CORD HOLDER (L=76)		2
Lia	l _	TRANS WIRE 1 UNIT	Ì	1	11"		1	Z7P FFC CORD		
-14	_	THE TOTAL	Į.	}	11.	52	009 0112 005			1 1
- 2	441.0000.0	TUNER/DISPLAY UNIT ASSTY	1	١.		53	254 4374 708	ELECTROLYTIC 8200µF/56V		1
	1U-2732 B			1	●	54	412 2955 107	SIDE BRACKET		1
F 2-1	-	TUNER UNIT	(11					
2-2	-	DISPLAY UNIT			1					_
4 2-3	i –	POWER UNIT	i	l	SC	REWS				
2-5	_	POWER SW UNIT		1		101	473 7015 018	TAPING SCREW 3xd5 (S)	Black	4
L2-6	_	TRANS PRE WIRE UNIT			Н			TAPING SCREW 354 (S)		10
				1 .	11	102	473 7002 018			
5	204 8354 004	HEAD PHONE JACK	1	1	11	103	473 8007 009	CUP SCREW 3×12		4
6	214 9003 005	RELAY	BL471	1	П	104	473 7501 001	TAPING SCREW 3×10 (P)		3
7			VR251		H	105	477 0064 107	FIXING SCREW 3x10	Black	12
	211 0827 003	VARIABLE		2	11	106	473 7004 016	TAPING SCREW 4x6 (S)		4
8	211 0828 002	VARIABLE	VR301	1	11	107	473 7508 017	TAPING SCREW 3x10 (P)	Stack	14
8	211 0829 001	VARIABLE	VR303	1	!!	108	477 0263 005		C-III,II	17
10	211 0830 003	VARIABLE	VR201		H			3P SWELLING SCREW		1 .
11	211 0831 002	VaniaBLE	VR102			109	473 7002 005	TAPING SCREW 35d (S)		9
12	204 8466 002	4 N.JACK		1	H		1		1	
13	204 8467 001	6P PIN JACK		2						
14	212 4778 009	2P PUSH SWITCH	[1 1	200	CKING	AND ACCES	CODIES (matterships = 5	YPI OPER	na.
15	212 1074 007	1P PUSH SWITCH	SW601-615		PA	UNING /	AND ACCES	SORIES (not included E	APLOUED VI	:W)
			211001-013				505 9125 009	POLY COVER		1
16	212 5604 910	TACT SWITCH		15			511 2537 007	OPERATING INSTRUCTION		
17	393 4155 002	FLO	FIP14AM7R	1			231 1914 003	AN LOOP ANTENNA		
18	499 0150 008	REMOTE SENSOR	SBX1610-52	1	1					1 '
19	216 0065 006	FRONT END		1	1		395 0023 008	FW ANTENNA ASSY		!
20	206 1015 029	FUSE JA	F402				399 0242 001	REMOTE CONTROL UNIT	RC-174	1
	F 884	Designation of the second	Europe Model On	y	9		505 0131 050	CABINET COVER		1
	Charles		(Except for U.K.)				504 0125 005	STYRENE PAPER	For AC CORD	1
21	205 0847 004	3P ANTENNA TERMINAL		1			503 1140 002	CUSHION	İ	2
22	203 2942 007	ACOUTLET .	Europe Model On	V Y			502 0741 056	PAD	U.K. Model Only	1
	Liber (see		(Except for U.K.)	4		- 1	501 1783 010	CARTON CASE	Europe Model	1 1
23	214 0176 009	RELAY(GSP-1)	RL401	1			501 1783 023	CARTON CASE	U.K. Model	1 1
6.0	2170170000	(IDDII(OSF-I)	Europe Model	٠, ١	1	1	301 1703 023	GATTON GAGE	U.S.C. MICCOCK	'
				1	į .					
NAMES OF THE PARTY AND THE	Special control of the control	12000-00-00-00-00-00-00-00-00-00-00-00-00	(Except for U.K.)		1					1
	212 1030 009	POWER SWITCH(TV-5)	7 20	1		- 1				
55		FOSE 2A	F401	71.	1					
26	205 0484 001	8P SPEAKER TERMINAL	Europe Model	1	1					1 1
	205 0472 013	8P SPEAKER TERMINAL	U.K. Model	1	1				1	1 1
27	461 0539 022	RUGBER SHEET		-1-	1		- 1			1 1
28	411 1285 008	MAIN CHASSIS			1	- 1	!			
29			Commercial States		1	- 1	ľ			
28	105 1136 029	REAR PANEL	Europe Model	1	1					
	105 1136 032	REAR PANEL	U.K. Model	1	1	ļ				
30	104 0194 108	POOTASSY		4	1		ĺ			
31	417 0498 205	POWER RADIATOR	Į	1		1				
32	273 0389 002	TRANSISTOR	TR321,322	2		1	1			
		2SC3855(O/P/Y)(Z)			I	- 1	1			
33	271 0240 006	TRANSISTOR	TR323,324	2		- 1	1			!!
-			ranceyork T	- 1	1	1				i F
		2SA1491(O/P/Y)(Z)		. i	ł	- 1	I			
34	415 0234 007	INSULATING SHEET		4					1	
35	412 3767 006	P.W.B. BRACKET		2	1	- 1	J		1	
36	205 209 1 000	ACCORD WITH CONNECTOR	Europe Model	31	[1			ŀ	
	206 2109 002	ACCORD WITH CONNECTOR	U.fC Model	91		- 1	i			
37	445 0056 008	CORD BUSH	4637448	1	1					
38	233 6116 006	POWER TRANS	34	1					ļ	
39	146 1495 127	INNER PANEL		1	l				1	
			1	- 1	1	- 1	1	ĺ	1	
40	143 0880 006	WINDOW		1	1		1			
41	113 1679 008	BUTTON(4KEY)		2			1			
42	113 1680 107	BUTTON(7KEY)	1	1		- 1			1	
43	113 1558 006	PUSH BUTTON(KAKU)		3		- 1			1	
44	144 2370 119	FRONT PANEL		1			i		1	1
1	112 0647 009	VOLUME KNOB	1	;		1				ı
45				• 13		i		1	J	
45 46	112 0720 001	KNORMARIA		. 11		- 1	ſ		1	
45 46 47	112 0739 001 113 9213 000	KNOB(MARU) POWER BUTTON ASS'Y		4					1	

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PARTS LIST EXPLODED VIEW (DRA-365RD)

The content of the	R	ef. No.	Part No.	Part Name	Remarks	Q'ty	R	ef. No.	Part No.	Part Name	Remarks	Q'ty
MANUST 1-1			111,2731	MAIN I INIT ACCY		-		60	122 0146 015	HIMERON SHEET		1
1-12		,	13-2/31			,	11-					
13			1 =				"				1	
TRANS WIRE LIMIT			1 =			i			1	1	1	2
TUNER DISTANT VINE AND TO TUNES DISTANT VINE ASSY TUNES DISTANT VINE AND TUNE AND TUNES DISTANT VINE AND TUN		1	-				11-					1
CREWS CREW				Trocto Hote I dan			-	54	412 2855 107	SIDE BRACACI		1,
2-2	• [10-2732			1	1	CREWS	1			
2-3			_				l⊢∸				Tau i	1 .
2-8	l						Ш				Black	4
TRANS PREWREUNT			_				П	,			1	10
5			_				Ш				1	4
S		• •	_	777777777	1	-	11					10
6 21 4002 005 REAM		5	204 8354 004	HEAD PHONE JACK		1	П			1,000,000,000	васк	4
## 17 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 002 ## 28 1062 00		6	214 9003 005	RELAY	PL471	1	11				Phone	14
8 21 10620 007 9 21 10620 007 10 21 10620 007 11 21 10620 007 12 20 10630 002 13 20 4467 007 14 21 477 002 00 15 21 477 007 16 21 477 007 17 20 20 4467 007 18 20 4467 007 19 21 477 007 10 21 477 007 10 21 477 007 10 21 477 007 11 21 477 007 12 20 20 20 14 20 20 20 15 20 20 20 16 20 20 20 17 20 20 20 18 20 20 20 19 20 20 20 19 20 20 20 10 20 20 20 20 20 20 20		7	211 0827 003	VARIABLE Var. Loud.	VR251	2	Ш				Descr	4
10 21 1060 103 1061 1061 106		8	211 0828 002		VR301	1	П					1
11 21 0631 002 WARLARE Vol.Cum E 12 13 20 0645 002 40 PM ADK 27 PUSH SWITCH 1 1 1 1 1 1 1 1 1		8	211 0829 001	VARIABLE Treble	VR303	1	11	109	4/3/002005	IAPING SCREW SAU (S)		"
12 20 MART DOL									1			L
13 20 MAY DOT 6 P PM ALCK 2 1 1 1 1 1 1 1 1 1					VR102		P/	ACKING !	AND ACCES	SORIES (not included E	XPLODED vie	ew)
## 204 MAT OCH 1 2 2 4778 009 2 2 4778 009 2 2 4778 009 2 2 4778 009 2 4 4 4 4 4 4 4 4 4									505 0125 000	POLY COVER	1	1
15 16 212 8004 910 17 18 18 19 19 19 19 19 19												1:
16			212 4778 009	2P PUSH SWITCH								1
17 32 30 415 30 30 30 30 30 30 30 3			-	TACT CHITCH			Ш				1	1
1					EIDIAALI70						RC-174	- 1
10				. —								1
A 2a 20 20 20 2 2 2 2 2 2					DEA1010-32					STYRENE PAPER	For AC CORD	1
21 25 647 04 37 ANTENNATERHANAL 21 25 647 04 37 ANTENNATERHANAL 22 27 28 8942 107	Δ*				RO				503 0939 007	CUSHION		2
21 20 205 942 007			7	2000 12 Tack 1733 to					502 0741 056	PAD	U.K. Model Only	1
21 20 205 942 007				THE PROPERTY AND THE		A2000 S 51111			501 1782 011	CARTON CASE	Europe Model	1
23	pesectivi	21	205 0847 004		Marine Marine Control (Control	1			501 1782 024	CARTON CASE	U.K. Model	1
23	Δ .	22.3		ACOURLET		0						
27			14.5	100			1					
20	-	23	_	_								
20	Δ	24			7		1]	
25	Δ	- 25					1	İ				
■ 27		26									1	
■ 28 411 1285 008 MAIN CHASSIS 1 ■ 29 105 1135 023 REAR PANEL Europe Model 1 ■ 30 106 114 108 POOT ASSY 4 ■ 31 417 048 218 POOT ASSY 4 POWER RADIATOR 1 1 32 273 035 005 TRANSISTOR 17821,322 2 28 271 0237 005 TRANSISTOR TR323,324 2 ■ 54 415 0224 007 INSULATING SHEET 4 ■ 35 412 3767 006 PWILB BRACKET 4 △ 35 206 2209 000 AC CORD WITH CONNECTOR Europe Model 1 △ 35 445 0005000 AC CORD WITH CONNECTOR Europe Model 1 △ 35 230 5115 007 POWER TRANS 1 ■ 36 231 6115 007 POWER TRANS 1 ■ 40 143 0680 006 WINDOW 1 41 113 1680 110 BUTTON(KEY) 2 42 113 1680 110 BUTTON(KEY) 2 43 12 0647 009	_				U.K. Model							j
■ 29 106 1135 020 REAR PANEL Europe Model 1 ■ 30 106 1194 068 REAR PANEL U.K. Model 1 ■ 31 417 0496 218 POWER RADIATOR 1 32 273 036 005 TRANSISTOR 1 32 271 0237 006 TRANSISTOR 2 25/34 59(0PPY)Z) 2 2 ■ 34 415 0234 007 INSLATING SHEET 4 ■ 34 415 0234 007 INSLATING SHEET 4 A 15 26 269 1500 1 2AC CORD WITH CONNECTOR - Europe Model 1 Δ1 35 206 269 1500 1 2AC CORD WITH CONNECTOR - Europe Model 1 Δ2 35 236 615 007 POWER TRANS 1 Δ3 35 236 615 007 POWER TRANS 1 Φ 40 143 0880 006 1 42 113 1680 110 BUTTON(KEY) 2 42 113 1680 110 BUTTON(KEY) 1 45 112 0647 009 KNOER MARUL 1	4						1					
■ 105 1136 033	₩ A				F 15 40		1					
● 30 104 0194 108 POOT ASSY 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4	a										
● 31 417 0498 218 POWER RADIATOR TRANSISTOR 27 0396 005 TRANSISTOR 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4				U.A. Model							
32 27 0386 005 TRANSISTOR 25364(0PY)(Z) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4						1	1	l			
25 271 0237 006 2 25C3854(OPYY)(Z) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	₩.	- 1					1	- 1				1
### 23		SZ	2/3 0386 005		1K321,322			1				
S		20	271 0227 000		TD222 224							
■ 34 415 0234 007 NSULATING SHEET 4 35 412 9767 006 PWB. BRACKET 2 A 756 206 206 1000 AC CORD WITH CONNECTOR 1 A 506 206 206 1000 AC CORD WITH CONNECTOR 1 A 507 30 AS 000 100 AC CORD WITH CONNECTOR 1 A 507 30 AS 000 100 AC CORD WITH CONNECTOR 1 A 100 AS 000 006 AC CORD WITH CONNECTOR 1 A 100 AS 000 006 AC AS 000 AC CORD WITH CONNECTOR 1 A 100 AS 000 006 AC AS 000 A			£71 WEST W/S		I maca,acq		1		ì			
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A 50 206 200 100	é						1		-			
A ¹ 1 262 price to 200 price 1 LX Society 1 A ¹ 37 445 cos 500s CORD BUST 1 © 38 146 1433 129 NNER PANIL 1 41 143 1689 005 WINDOW 1 41 131 1679 008 BUTTON(KEY) 2 42 113 1679 008 BUTTON(KEY) 1 43 — 3 3 44 142 2569 010 FRONT FANEL 1 45 112 0647 008 VO_LUME KNOB 1 45 112 0739 001 KNOB(MARU) 4 47 113 9213 000 POWER BUTTON ASSY 1 9 48 102 0426 223 TOP COVER 1	Δ				Frimos Model		1	İ				
Δ¹ 37 445 0056 00 COR0 PUSH 1 Δ¹ 36 233 6115 007 POWER TRANS 1 € 30 143 0880 006 NINEF PANE 1 41 113 1679 008 WINDOW 1 42 131 1680 110 BUTTON(KEY) 2 43 3 3 44 144 2368 010 FRONT PANE 1 45 112 0647 000 VOULWE KNOB 1 45 112 0647 000 VOULWE KNOB 1 47 113 8213 000 POWER BUTTON ASSY 1 9 46 102 0426 223 TOP COVER 1	Δ.						i					
ΔY 35 235 6115 007 FOWER TRANS 4 ● 39 146 1433 129 INNER PANEL 1 41 113 0679 008 BUTTON(4KEY) 1 42 113 1680 110 BUTTON(6KEY) 1 43		37		The state of the s	F. 75							
** 40 143 689 010				POWER TRANS						{		
● 40 143 0880 006 WINDOW 1 1 2 2 3 1 TOP COVER 1 1 2 4 4 1 131 1679 001		90'0 - 700 Pen 10'0 Q			Security Control of Security			1	1			- 1
41 113 16T9 008 BUTTON(4KEY) 2 4 4 13 16S0 0110 BUTTON(6KEY) 1 1 3 3 4 3 4 4 42569 010 FRONT PANEL 1 1 45 112 0647 008 VOLUME KNOB 1 4 45 112 0739 001 KNOBLUKRU) 4 4 113 9213 000 POWER BUTTON ASSY 1 1 9 4 4 10 12 02426 223 TOP COVER 1 1	€						Ì	- 1	1			- 1
42 113 1680 110 BUTTON(6KEY) 1 4 43 - 3 3 4 4 4 144 2569 010 FRONT PANEL 1 1 4 5 112 6647 009 VO_UME KNOB 1 4 6 112 0739 001 KNOB(MARU) 4 6 112 0739 001 KNOB(MARU) 4 7 113 9213 000 POWER BUTTON ASSY 1 1 9 46 102 0426 223 TOP COVER 1 1				***************************************			l	-	1	İ	1	
43 - 3 3 3 4 4 144 2369 010 FRONT PANEL 1 1 4 2369 010 FRONT PANEL 1 1 4 5 112 0647 009 VO_UME NNOB 1 1 4 5 112 0739 001 KNOBIMARU) 4 4 1 113 9213 000 POWER BUITON ASSY 1 1 9 46 102 0425 223 TOP COVER 1					1		1	ļ	-			- 1
45 112 0647 009 VOLUME KNOB 1 46 112 0739 001 KNOBJMARU) 4 47 113 9213 000 POWER BUTTON ASSY 1 9 46 102 0426 223 TOP COVER 1			_				l		i	ļ		-
45 112 0647 009 VOLUME KNOB 1 4 4 112 0739 001 KNOBIMURU) 4 4 1 113 9213 000 POWER BUTTON ASSY 1 1 9 46 102 0426 223 TOP COVER 1	È		144 2369 010	FRONT PANEL	-				1	-		- 1
45 112 0739 001 KNOSHMARU) 4 4 4 1 113 9213 000 POWER BUTTON ASSY 1 1 9 46 102 0425 623 T OP COVER 1		45	112 0647 009		Į.	1	l					- 1
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● 49 461 0769 009 RUBSER SHEET 2	9 :				ł	1	1		1			
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WARNING:

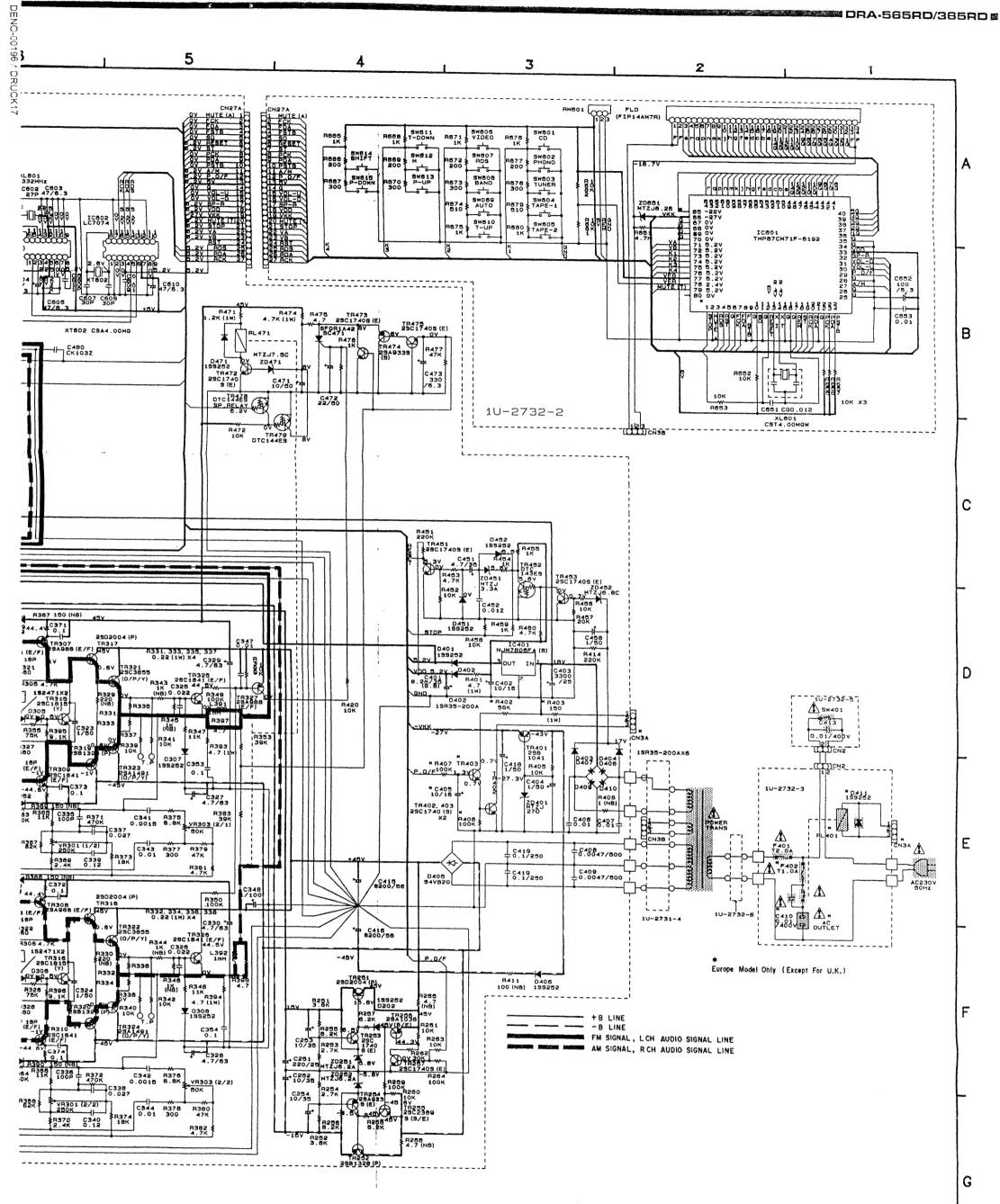
Parts marked with this symbol \triangle was have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the unit to the customer, make sure you make either (leakage current exceeds 0.5 milliamps, or if the resistance from chassi WARNING:

DO NOT return the unit to the customer until the problem is located an NOTES:

Circuit and parts are subject to change without prior notice."

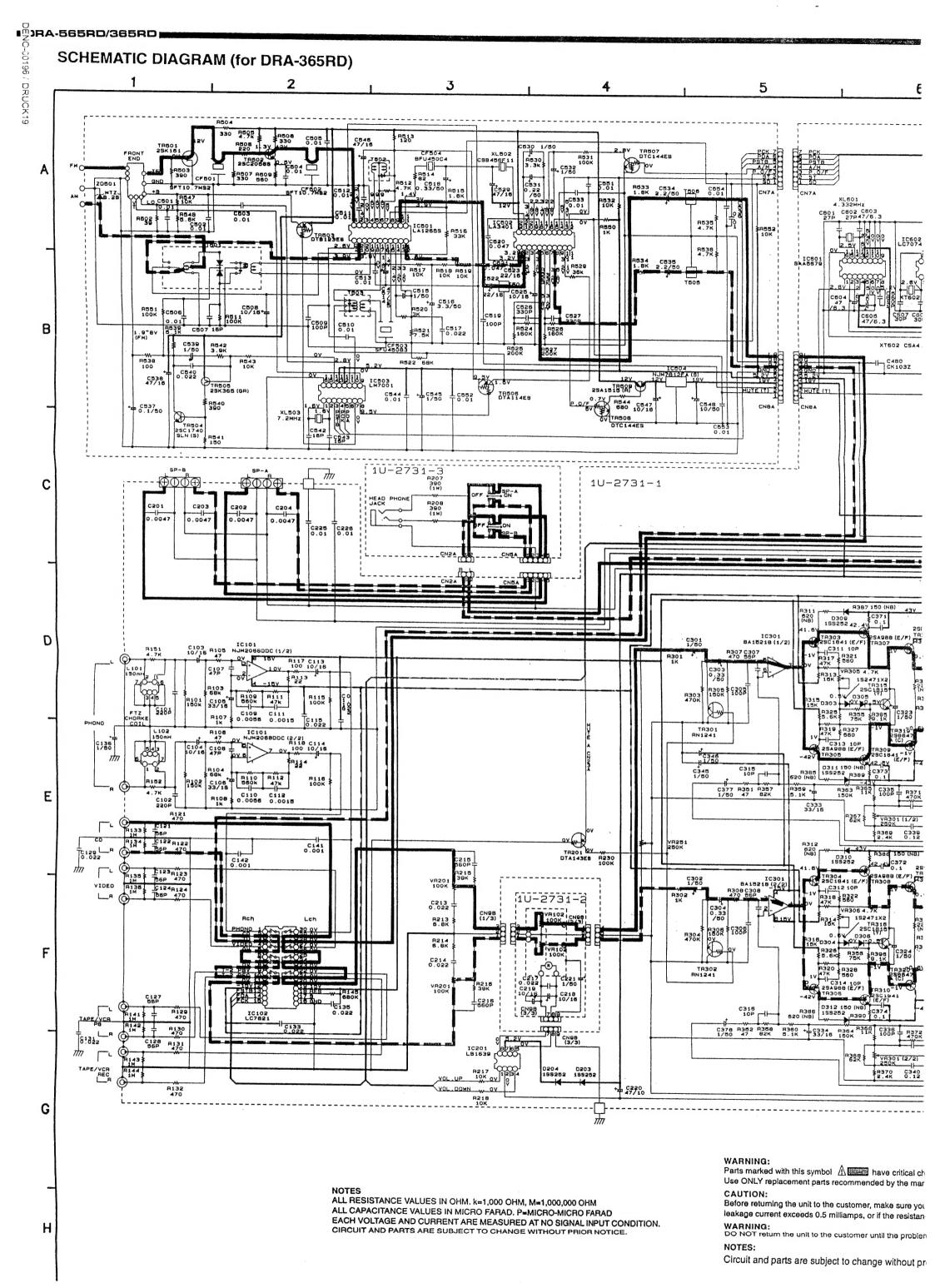


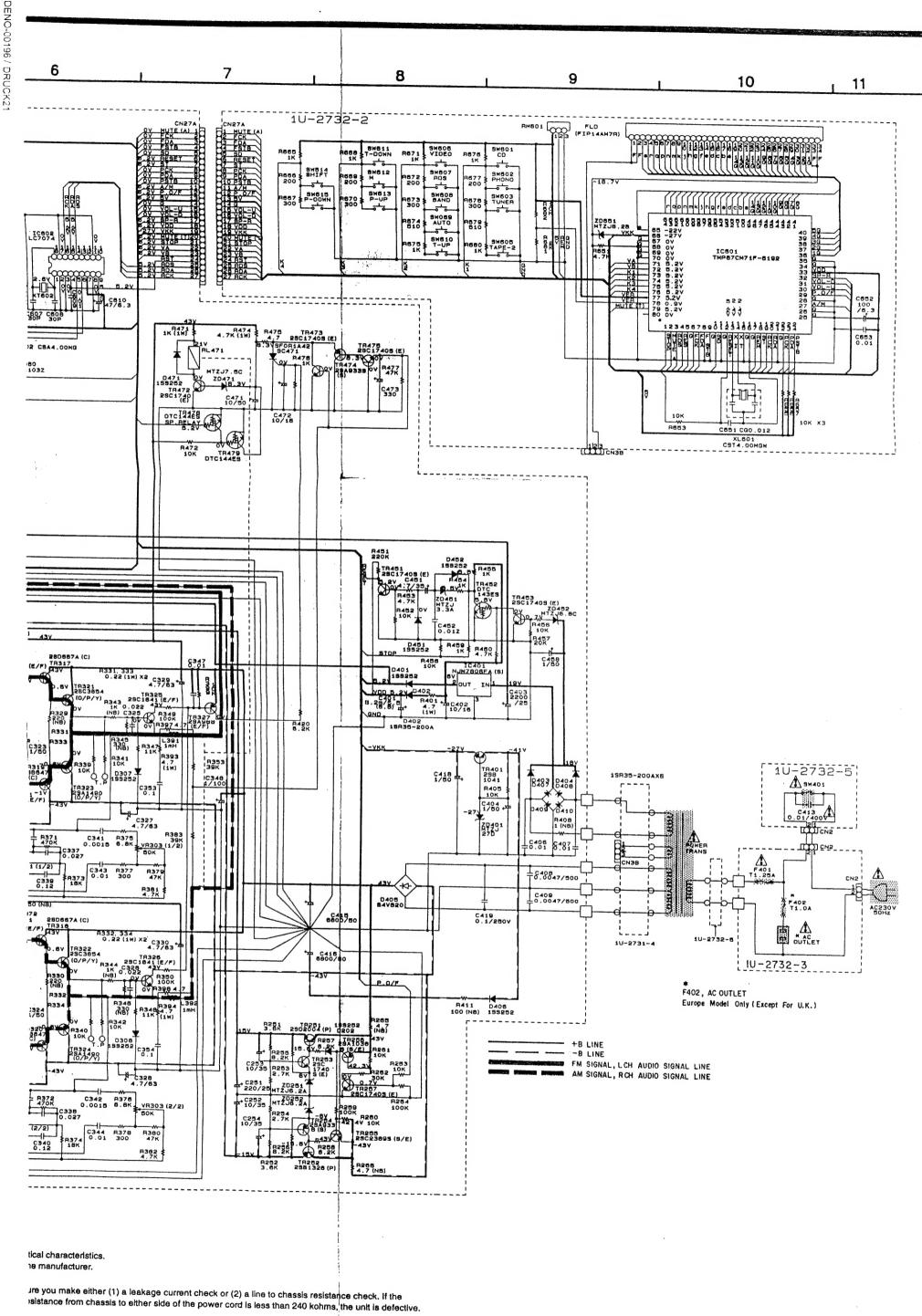
r (1) a leakage current check or (2) a line to chassis resistance check. If the ssis to either side of the power cord is less than 240 kohms, the unit is defective.

and corrected

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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problem is located and corrected.